

Download Ebook  
Database

Programming  
**Database**

# **Programmi ng With C**

You will learn  
PHP/MySQL fast,  
easy and fun. This  
book provides you  
with a complete  
MySQL guidance  
presented in an

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Programming  
With C  
easy-to-follow  
manner. Each

chapter has  
practical examples  
with SQL script  
and screenshots  
available. If you  
go through the  
entire chapters,  
you will know how  
to manage MySQL  
databases and  
manipulate data

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using various techniques such as MySQL queries, MySQL stored procedures, database views, triggers. In the first part of the book, you will learn basic MySQL statements

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including how to  
implement  
querying data,  
sorting data,  
filtering data,  
joining tables,  
grouping data,  
subquerying data,  
and setting  
operators. Aside  
from learning  
basic SQL  
statements, you

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will also learn step by step how to develop stored procedures in MySQL. First, we introduce you to the stored procedure concept and discuss when you should use it. Then, we show you how to use the basic elements

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of the procedure code such as create procedure statement, if-else, case, loop, stored procedure ' s parameters. In the next chapter, we will discuss the database views, how they are implemented in MySQL, and how

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to use them more effectively. After that, you will learn how to work with the MySQL triggers. By definition, a trigger or database trigger is a stored program executed automatically to respond to a

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specific event e.g., insert, update or delete occurred in a table. The database trigger is powerful tool for protecting the integrity of the data in your MySQL databases. In addition, it is useful to automate some database



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operations such as logging, auditing, etc. Then, you will learn about MySQL index including creating indexes, removing indexes, listing all indexes of a table and other important features of indexes in MySQL. MySQL

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uses indexes to quickly find rows with specific column values.

Without an index, MySQL must scan the whole table to locate the relevant rows. The larger table, the slower it searches. After that, you will find a lot of useful

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Programming  
With C  
MySQL  
administration

techniques  
including MySQL  
server startup and  
shutdown, MySQL  
server security,  
MySQL database  
maintenance, and  
backup. The last  
chapter gives you  
the most  
commonly used

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With C  
MySQL functions  
including  
aggregate  
functions, string  
functions, date  
time functions,  
control flow  
functions, etc.

This book  
constitutes the  
thoroughly  
refereed post-  
proceedings of the

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8th International  
Workshop on  
Database  
Programming  
Languages, DBPL  
2001, held in  
Frascati, Italy, in  
September 2001.  
The 18 revised  
full papers  
presented  
together with an  
invited paper

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were carefully selected during two rounds of reviewing and revision. The papers are organized in topical sections on semistructured data; OLAP and data mining; systems, schema integration, and

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index

concurrency;

XML; spatial

databases; user

languages; and

rules.

In this book, you

will learn how to

build from scratch

a MySQL database

management

system using

PyQt. In designing

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a GUI, you will make use of the Qt Designer tool. Gradually and step by step, you will be taught how to use MySQL in Python. In the first three chapters, you will learn Basic MySQL statements



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including how to  
implement  
querying data,  
sorting data,  
filtering data,  
joining tables,  
grouping data,  
subquerying data,  
and setting  
operators. Aside  
from learning  
basic SQL  
statements, you

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will also learn step by step how to develop stored procedures in MySQL. First, we introduce you to the stored procedure concept and discuss when you should use it. Then, we show you how to use the basic elements

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of the procedure code such as create procedure statement, if-else, case, loop, stored procedure ' s parameters. In the fourth chapter, you will learn:  
How PyQt and Qt Designer are used to create Python GUIs; How to

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Programming  
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create a basic

Python GUI that  
utilizes a Line Edit  
and a Push Button.

In the fifth  
chapter, you will  
study: Creating  
the initial three  
table in the School  
database project:  
Teacher table,  
Class table, and  
Subject table;

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Creating database configuration files;  
Creating a Python GUI for viewing and navigating the contents of each table. Creating a Python GUI for inserting and editing tables; and  
Creating a Python GUI to merge and query the three

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Programming  
With C

tables. In last  
chapter, you will

learn: Creating the  
main form to  
connect all forms;  
Creating a project  
that will add three  
more tables to the  
school database:  
the Student table,  
the Parent table,  
and the Tuition  
table; Creating a

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Programming  
With C

Python GUI to

view and navigate  
the contents of  
each table;

Creating a Python  
GUI for editing,  
inserting, and  
deleting records  
in each table;

Create a Python  
GUI to merge and  
query the three  
tables and all six

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Programming  
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tables.

VISUAL C# AND  
DATABASES is a  
step-by-step  
database  
programming  
tutorial that  
provides a  
detailed  
introduction to  
using Visual C#  
for accessing and  
maintaining



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Programming  
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databases for  
desktop

applications.

Topics covered  
include: database  
structure,  
database design,  
Visual C# project  
building, ADO  
.NET data objects  
(connection, data  
adapter,  
command, data

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table), data bound controls, proper interface design, structured query language (SQL), creating databases using Access, SQL Server and ADOX, and database reports. Actual projects developed include a books tracking

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system, a sales  
invoicing program,  
a home inventory  
system and a daily  
weather monitor  
VISUAL C# AND  
DATABASES is  
presented using a  
combination of  
over 850 pages of  
self-study notes  
and actual Visual  
C# examples. No

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previous  
experience  
working with  
databases is  
presumed. It is  
assumed,  
however, that  
users of the  
product are  
familiar with the  
Visual C#  
environment and  
the steps involved

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in building a  
Visual C#

application. This  
pre-requisite  
training can be  
gained from our  
LEARN VISUAL  
C# course.

VISUAL C# AND  
DATABASES  
requires the  
Microsoft  
Windows

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operating system.

This tutorial also  
requires the free  
Community  
Edition or  
Professional  
Edition of  
Microsoft Visual  
Studio 2019. The  
Visual C# source  
code solutions and  
all needed  
multimedia files

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are included in the compressed download file available from the Publisher's website (Kidware Software.com) after book registration.

7th International  
Workshop on  
Database  
Programming

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Languages,  
DBPL'99 Kinloch  
Rannoch, UK,  
September 1-3,  
1999 Revised  
Papers

The Absolute  
Beginner ' s Guide  
to Learn Database  
Programming  
Using Python GUI  
with PostgreSQL  
and SQL Server



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Python GUI with  
MySQL: A Step  
By Step Guide to  
Database  
Programming  
The Ultimate  
Guide to Learn  
C++ and SQL  
Programming Fast  
(C++ for  
Beginners, C  
Programming,  
Java, Coding, CSS,

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PHP)

Special Edition  
Using Visual  
C++ .NET  
Concepts,  
Designs, and  
Implementations  
Special Edition  
Using Visual  
C++ .NET is a  
comprehensive  
resource to help

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readers leverage the exciting new features of Visual C++.NET as well as port their existing skills to the new .NET development environment. The book shows how both Win32 and .NET applications

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work, not only instructing the reader in the use of Microsoft's Visual C++ wizards, but also showing what the wizards create. A variety of programming tasks from simple dialog boxes to database

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programming are included. Because of the new .NET platform developers in any of 17 languages (including Visual C++) will use the same class libraries to construct high-

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performance  
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applications. SE  
Using Visual  
C++.NET will not  
only cover the new  
version of the  
software but also  
how to get  
maximum  
programming  
results from  
combining several

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languages into one project. Related technologies such as XML and XSLT are also covered, along with integrating Visual C++ code with Visual Basic and C# code.

This book  
constitutes the

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thoroughly  
refereed post-  
proceedings of the  
7th International  
Workshop on  
Database  
Programming  
Languages,  
DBPL'99, held in  
Kinloch Rannoch,  
UK in September  
1999. The 17



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revised full papers presented together with an invited paper were carefully reviewed and revised for inclusion in the book. The book presents topical sections on querying and query optimization;

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languages for  
document models;  
persistence,  
components and  
workflows; typing  
and querying  
semistructured  
data; active and  
spatial databases;  
and unifying  
semistructured and  
traditional data

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Programming  
models.

In this book, you will create two desktop applications using Python GUI and PostgreSQL. This book is a Python/PostgreSQL version of the Python/MySQL book which was

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written by the author. What underlies the writing of this book is the growing popularity of the PostgreSQL database server lately and more and more programmers migrating from

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## MySQL to

PostgreSQL. In this book, you will learn to build a school database project, step by step. A number of widgets from PyQt will be used for the user interface. In the first and second chapter,

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Programming  
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you will get  
introduction of  
postgresql. And  
then, you will learn  
querying data from  
the postgresql  
using Python  
including  
establishing a  
database  
connection,  
creating a

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statement object,  
executing the  
query, processing  
the resultset  
object, querying  
data using a  
statement that  
returns multiple  
rows, querying  
data using a  
statement that has  
parameters,

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Programming  
With C

inserting data into  
a table using  
Python, updating  
data in postgresql  
database using  
Python, calling  
postgresql stored  
function using  
Python, deleting  
data from a  
postgresql table  
using Python, and



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Programming  
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postgresql Python  
transaction. In the  
fourth chapter, you  
will study: Creating  
the initial three  
table in the School  
database project:  
Teacher table,  
Class table, and  
Subject table;  
Creating database  
configuration files;

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With C

Creating a Python GUI for viewing and navigating the contents of each table. Creating a Python GUI for inserting and editing tables; and Creating a Python GUI to merge and query the three tables. In chapter

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five, you will learn:

Creating the main form to connect all forms; Creating a project that will add three more tables to the school database: the Student table, the Parent table, and the Tuition table; Creating a

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### Python GUI to

view and navigate  
the contents of  
each table;

Creating a Python  
GUI for editing,  
inserting, and  
deleting records in  
each table; Create  
a Python GUI to  
merge and query  
the three tables

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## Programming With C

and all six tables.

In chapter six, you will create dan configure PotgreSQL database. In this chapter, you will create Suspect table in crime database. This table has eleven columns:

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suspectid  
(primary key),  
suspectname,  
birthdate,  
casedate,  
reportdate,  
suspect\_status,  
arrestdate,  
mothername,  
address,  
telephone, and  
photo. You will

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also create GUI to display, edit, insert, and delete for this table. In chapter seven, you will create a table with the name `FeatureExtraction`, which has eight columns:  
`featureid` (primary key), `suspectid`

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Programming  
With C

(foreign key),  
feature1, feature2,  
feature3, feature4,  
feature5, and  
feature6. The six  
fields (except  
keys) will have a  
VARCHAR data  
type (200). You will  
also create GUI to  
display, edit,  
insert, and delete



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With C

for this table. In chapter eight, you will create two tables, Police and Investigator. The Police table has six columns: policeid (primary key), province, city, address, telephone, and photo. The

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### Programming With C

Investigator table  
has eight columns:

investigatorid

(primary key),

investigatorname,

rank, birthdate,

gender, address,

telephone, and

photo. You will

also create GUI to

display, edit,

insert, and delete

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With C

for both tables. In chapter nine, you will create two tables, Victim and CaseFile. The Victim table has nine columns: victimid (primary key), victimname, crimetype, birthdate, crimedate,

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Programming  
With C  
gender, address,  
telephone, and  
photo. The

CaseFile table  
has seven

columns:

casefileid

(primary key),

suspectid (foreign

key), policeid

(foreign key),

investigatorid

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With C

(foreign key),  
victimid (foreign  
key), status, and  
description. You  
will create GUI to  
display, edit,  
insert, and delete  
for both tables as  
well.

In this book, you  
will create two  
desktop

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applications using  
Python GUI and  
MariaDB. This  
book is mariadb-  
based python  
programming  
Intentionally  
designed for  
various levels of  
interest and ability  
of learners, this  
book is suitable for

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students,  
engineers, and  
even researchers  
in a variety of  
disciplines. No  
advanced  
programming  
experience is  
needed, and only  
a few school-level  
programming skill  
are needed. In the

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first chapter, you will learn to use several widgets in PyQt5: Display a welcome message; Use the Radio Button widget; Grouping radio buttons; Displays options in the form of a check box; and



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Display two groups of check boxes. In chapter two, you will learn to use the following topics: Using Signal / Slot Editor; Copy and place text from one Line Edit widget to another; Convert data types

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and make a simple calculator; Use the Spin Box widget; Use scrollbars and sliders; Using the Widget List; Select a number of list items from one Widget List and display them on another Widget List widget; Add

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With C

items to the

Widget List;

Perform operations  
on the Widget List;

Use the Combo  
Box widget;

Displays data  
selected by the  
user from the

Calendar Widget;

Creating a hotel  
reservation

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With C

application; and  
Display tabular  
data using Table  
Widgets. In third  
chapter, you will  
learn: How to  
create the initial  
three tables  
project in the  
School database:  
Teacher, Class,  
and Subject

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tables; How to create database configuration files; How to create a Python GUI for inserting and editing tables; How to create a Python GUI to join and query the three tables. In fourth chapter, you will

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learn how to:

Create a main form to connect all forms; Create a project will add three more tables to the school database: Student, Parent, and Tuition tables; Create a Python GUI for inserting and

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editing tables;  
Create a Python  
GUI to join and  
query over the  
three tables. In  
chapter five, you  
will join the six  
classes, Teacher,  
TClass, Subject,  
Student, Parent,  
and Tuition and  
make queries over

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With C

those tables. In chapter six, you will create dan configure database. In this chapter, you will create Suspect table in crime database. This table has eleven columns:  
suspectid



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(primary key),  
suspectname,  
birthdate,  
casedate,  
reportdate,  
suspect\_status,  
arrestdate,  
mothername,  
address,  
telephone, and  
photo. You will  
also create GUI to

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display, edit, insert, and delete for this table. In chapter seven, you will create a table with the name `FeatureExtraction`, which has eight columns:

`featureid` (primary key), `suspectid` (foreign key),

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feature1, feature2,  
feature3, feature4,  
feature5, and  
feature6. The six  
fields (except  
keys) will have a  
VARCHAR data  
type (200). You will  
also create GUI to  
display, edit,  
insert, and delete  
for this table. In

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chapter eight, you will create two tables, Police and Investigator. The Police table has six columns: policeid (primary key), province, city, address, telephone, and photo. The Investigator table

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With C  
has eight columns:

investigatorid  
(primary key),  
investigatorname,  
rank, birthdate,  
gender, address,  
telephone, and  
photo. You will  
also create GUI to  
display, edit,  
insert, and delete  
for both tables. In

## Download Ebook Database

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chapter nine, you will create two tables, Victim and CaseFile. The Victim table has nine columns: victimid (primary key), victimname, crimetype, birthdate, crimedate, gender, address,

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Programming  
With C  
telephone, and  
photo. The

CaseFile table  
has seven  
columns:

casefileid  
(primary key),  
suspectid (foreign  
key), policeid  
(foreign key),  
investigatorid  
(foreign key),

## Download Ebook Database

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victimid (foreign key), status, and description. You will create GUI to display, edit, insert, and delete for both tables as well.

The Quick Tutorial  
to Learn Database  
Programming  
Using Python GUI



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Programming  
With C  
with MariaDB and  
PostgreSQL

A Step-By-Step  
Database

Programming  
Tutorial

A Practical Guide  
to Database

Programming with  
Java GUI and  
PostgreSQL

The Best Guide to

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Programming with

Java GUI,

PostgreSQL, and

SQL Server

A Guide to the S

Language

Java

You will learn

Python/MySQL fast,

easy and fun. This

book provides you

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Programming  
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with a complete

MySQL guidance

presented in an easy-  
to-follow manner.

This Python MySQL  
book shows you how  
to use MySQL  
connector/Python to  
access MySQL  
databases. You will  
learn how to connect  
to MySQL database,

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and perform common database operations such as SELECT, INSERT, UPDATE and DELETE. In addition, we will show you some useful tips such as how to call MySQL stored procedures from Python, and

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how to work with  
MySQL BLOB data.

Each chapter has practical examples with SQL script and screenshots available. If you go through the entire chapters, you will know how to manage MySQL databases and

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manipulate data  
using various

techniques such as  
MySQL queries,  
MySQL stored  
procedures, database  
views, triggers. In  
the first part of the  
book, you will learn  
Basic MySQL  
statements including  
how to implement

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querying data,  
sorting data, filtering  
data, joining tables,  
grouping data,  
subquerying data,  
and setting  
operators. Aside  
from learning basic  
SQL statements, you  
will also learn step  
by step how to  
develop stored

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procedures in MySQL. First, we introduce you to the stored procedure concept and discuss when you should use it. Then, we show you how to use the basic elements of the procedure code such as create procedure statement, if-else,



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case, loop, stored  
procedure's

parameters. In the next chapter, we will discuss the database views, how they are implemented in MySQL, and how to use them more effectively. After that, you will learn how to work with

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the MySQL triggers.

By definition, a trigger or database trigger is a stored program executed automatically to respond to a specific event e.g., insert, update or delete occurred in a table. The database trigger is powerful tool for

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protecting the integrity of the data in your MySQL databases. In addition, it is useful to automate some database operations such as logging, auditing, etc. Then, you will learn about MySQL index including creating

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indexes, removing indexes, listing all indexes of a table and other important features of indexes in MySQL. MySQL uses indexes to quickly find rows with specific column values. Without an index, MySQL must scan the whole table

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to locate the relevant rows. The larger table, the slower it searches. After that, you will find a lot of useful MySQL administration techniques including MySQL server startup and shutdown, MySQL server security,

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MySQL database maintenance, and backup. The last chapter gives you the most commonly used MySQL functions including aggregate functions, string functions, date time functions, control flow functions, etc.

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This book explains relational theory in practice, and demonstrates through two projects how you can apply it to your use of MariaDB and SQL Server databases.

This book covers the important requirements of

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teaching databases  
with a practical and  
progressive  
perspective. This  
book offers the  
straightforward,  
practical answers  
you need to help you  
do your job. This  
hands-on tutorial/ref  
erence/guide to  
MariaDB and SQL



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Server is not only perfect for students and beginners, but it also works for experienced developers who aren't getting the most from MariaDB and SQL Server. As you would expect, this book shows how to build from scratch

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two different  
databases: MariaDB  
and SQL Server  
using Java. In  
designing a GUI and  
as an IDE, you will  
make use of the  
NetBeans tool. In  
chapter one, you will  
learn the basics of  
cryptography using  
Java. Here, you will

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learn how to write a Java program to count Hash, MAC (Message Authentication Code), store keys in a KeyStore, generate PrivateKey and PublicKey, encrypt / decrypt data, and generate and verify digital prints. You

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will also learn how to create and store salt passwords and verify them. In chapter two, you will create a PostgreSQL database, named Bank, and its tables. In chapter three, you will create a Login table. In this case, you will see how to

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create a Java GUI using NetBeans to implement it. In addition to the Login table, in this chapter you will also create a Client table. In the case of the Client table, you will learn how to generate and save public and private keys into a

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database. You will  
also learn how to

encrypt / decrypt  
data and save the  
results into a

database. In chapter  
four, you will create  
an Account table.

This account table  
has the following ten  
fields: account\_id  
(primary key),

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client\_id  
(primarykey),  
account\_number,  
account\_date,  
account\_type,  
plain\_balance,  
cipher\_balance,  
decipher\_balance,  
digital\_signature,  
and signature\_verification. In this case,  
you will learn how

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to implement  
generating and  
verifying digital  
prints and storing the  
results into a  
database. In chapter  
five, you create a  
table named  
Client\_Data, which  
has seven columns:  
client\_data\_id  
(primary key),



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account\_id  
(primary\_key),  
birth\_date, address,  
mother\_name,  
telephone, and  
photo\_path. In  
chapter six, you will  
be taught how to  
create a SQL Server  
database, named  
Crime, and its tables.  
In chapter seven,

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you will be taught how to extract image features, utilizing BufferedImage class, in Java GUI. In chapter eight, you will be taught to create Java GUI to view, edit, insert, and delete Suspect table data. This table has eleven columns:

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suspect\_id (primary key), suspect\_name, birth\_date, case\_date, report\_date, suspect\_status, arrest\_date, mother\_name, address, telephone, and photo. In chapter nine, you will be taught to create Java GUI to view, edit,

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insert, and delete

Feature\_Extraction

table data. This table

has eight columns:

feature\_id (primary

key), suspect\_id

(foreign key),

feature1, feature2,

feature3, feature4,

feature5, and

feature6. In chapter

ten, you will add two

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tables:

Police\_Station and Investigator. These two tables will later be joined to Suspect table through another table, File\_Case, which will be built in the seventh chapter. The Police\_Station has six columns:

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police\_station\_id

(primary key),

location, city,

province, telephone,

and photo. The

Investigator has

eight columns:

investigator\_id

(primary key),

investigator\_name,

rank, birth\_date,

gender, address,

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telephone, and photo. Here, you will design a Java GUI to display, edit, fill, and delete data in both tables. In chapter eleven, you will add two tables: Victim and File\_Case. The File\_Case table will connect four other

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tables: Suspect,  
Police\_Station,  
Investigator and  
Victim. The Victim  
table has nine  
columns: victim\_id  
(primary key),  
victim\_name,  
crime\_type,  
birth\_date,  
crime\_date, gender,  
address, telephone,



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and photo. The

File\_Case has seven  
columns:

file\_case\_id

(primary key),

suspect\_id (foreign  
key),

police\_station\_id

(foreign key),

investigator\_id

(foreign key),

victim\_id (foreign

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key), status, and description. Here, you will also design a Java GUI to display, edit, fill, and delete data in both tables. Finally, this book is hopefully useful and can improve database programming skills for every

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Python. In second  
chapter, you will

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write GUI

applications in

Python. In other

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Because PyQt

depends on the Qt

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PyQt. In third

chapter, you will learn: How to create the initial three tables project in the School database: Teacher, Class, and Subject tables; How to create database configuration files; How to create a Python GUI for

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inserting and editing tables; How to create a Python GUI to join and query the three tables. In fourth chapter, you will learn how to: Create a main form to connect all forms; Create a project will add three more tables to the school



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database: Student,  
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tables; Create a  
Python GUI for  
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tables; Create a  
Python GUI to join  
and query over the  
three tables. In this  
chapter, you will  
join the six classes,  
Teacher, TClass,

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Subject, Student, Parent, and Tuition and make queries over those tables. In chapter five, you will create and configure PostgreSQL database. In this chapter, you will create Suspect table in crime database. This table

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has eleven columns:  
suspect\_id (primary  
key), suspect\_name,  
birth\_date,  
case\_date,  
report\_date, suspect\_  
status, arrest\_date,  
mother\_name,  
address, telephone,  
and photo. You will  
also create GUI to  
display, edit, insert,

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and delete for this table. In chapter six, you will create a table with the name `Feature_Extraction`, which has eight columns: `feature_id` (primary key), `suspect_id` (foreign key), `feature1`, `feature2`, `feature3`, `feature4`, `feature5`,

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and feature6. The six fields (except keys) will have a VARCHAR data type (200). You will also create GUI to display, edit, insert, and delete for this table. In chapter seven, you will create two tables, Police and

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Investigator. The Police table has six columns: police\_id (primary key), province, city, address, telephone, and photo. The Investigator table has eight columns: investigator\_id (primary key), investigator\_name,

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rank, birth\_date,  
gender, address,

telephone, and  
photo. You will also  
create GUI to  
display, edit, insert,  
and delete for both  
tables. In chapter  
eight, you will create  
two tables, Victim  
and Case\_File. The  
Victim table has

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nine columns:

victim\_id (primary key), victim\_name, crime\_type, birth\_date, crime\_date, gender, address, telephone, and photo. The

Case\_File table has seven columns:

case\_file\_id  
(primary key),



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suspect\_id (foreign key), police\_id (foreign key), investigator\_id (foreign key), victim\_id (foreign key), status, and description. You will create GUI to display, edit, insert, and delete for both tables as well.

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Spin Box widget; Use  
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Using the Widget List;  
Select a number of list  
items from one Widget  
List and display them  
on another Widget List  
widget; Add items to  
the Widget List;  
Perform operations on  
the Widget List; Use  
the Combo Box  
widget; Displays data  
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from the Calendar  
Widget; Creating a  
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configuration files;

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Student, Parent, and Tuition tables; Create a Python GUI for inserting and editing tables; Create a Python GUI to join and query over the three tables. In chapter five, you will join the six classes, Teacher, TClass, Subject, Student, Parent, and Tuition and make queries over

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those tables. In chapter six, you will get introduction of postgresql. And then, you will learn querying data from the postgresql using Python including establishing a database connection, creating a statement object, executing the query, processing the resultset object,

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querying data using a statement that returns multiple rows, querying data using a statement that has parameters, inserting data into a table using Python, updating data in postgresql database using Python, calling postgresql stored function using Python, deleting data from a postgresql table using



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Python transaction. In  
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PotgreSQL database.  
In this chapter, you  
will create Suspect  
table in crime  
database. This table  
has eleven columns:  
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key), suspect\_name,  
birth\_date, case\_date,  
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status, arrest\_date, mother\_name, address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for this table. In chapter eight, you will create a table with the name Feature\_Extraction, which has eight columns: feature\_id (primary key),

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suspect\_id (foreign key), feature1, feature2, feature3, feature4, feature5, and feature6. The six fields (except keys) will have a VARCHAR data type (200). You will also create GUI to display, edit, insert, and delete for this table. In chapter nine, you will create two tables, Police and

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Investigator. The Police table has six columns: police\_id (primary key), province, city, address, telephone, and photo. The Investigator table has eight columns: investigator\_id (primary key), investigator\_name, rank, birth\_date, gender, address, telephone, and photo.

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You will also create GUI to display, edit, insert, and delete for both tables. In chapter ten, you will create two tables, Victim and Case\_File. The Victim table has nine columns: victim\_id (primary key), victim\_name, crime\_type, birth\_date, crime\_date, gender,

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address, telephone,  
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Case\_File table has  
seven columns:

case\_file\_id (primary  
key), suspect\_id  
(foreign key), police\_id  
(foreign key),  
investigator\_id  
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create GUI to display,

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create database  
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more tables to the school database: Student, Parent, and Tuition tables; Create a Python GUI for inserting and editing tables; Create a Python GUI to join and query over the three tables. In chapter five, you will join the six classes, Teacher, TClass, Subject, Student,

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Parent, and Tuition and make queries over those tables. In chapter six, you will create dan configure database. In this chapter, you will create Suspect table in crime database. This table has eleven columns: suspect\_id (primary key), suspect\_name, birth\_date, case\_date,

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report\_date, suspect\_status, arrest\_date, mother\_name, address, telephone, and photo. You will also create GUI to display, edit, insert, and delete for this table. In chapter seven, you will create a table with the name Feature\_Extraction, which has eight columns: feature\_id

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(primary key),  
suspect\_id (foreign  
key), feature1,  
feature2, feature3,  
feature4, feature5, and  
feature6. The six fields  
(except keys) will have  
VARBINARY(MAX)  
data type. You will  
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display, edit, insert,  
and delete for this  
table. In chapter eight,  
you will create two



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tables, Police and Investigator. The Police table has six columns: police\_id (primary key), province, city, address, telephone, and photo. The Investigator table has eight columns: investigator\_id (primary key), investigator\_name, rank, birth\_date, gender, address,

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telephone, and photo. You will also create GUI to display, edit, insert, and delete for both tables. In the last chapter, you will create two tables, Victim and Case\_File. The Victim table has nine columns: victim\_id (primary key), victim\_name, crime\_type, birth\_date,

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crime\_date, gender, address, telephone, and photo. The

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create GUI to display, edit, insert, and delete for both tables as well. This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to

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guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route.

A Comparative  
Presentation of Object-  
Oriented

Programming With  
C++ and Java

A Step By Step To

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Programming  
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Database

Programming Using  
Python GUI and  
MariaDB

Practical Database  
Programming With  
Visual C#.NET

Proceedings of the  
Fourth International  
Workshop on  
Database

Programming  
Languages — Object  
Models and

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Programming  
Languages,

Manhattan, New York  
City, USA, 30

August-1 September  
1993

The C-based Database  
Programming  
Language Jasmine/C  
C++

***Non-VB programmers  
are shown how they  
can have the same  
database ease that***

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## Programming With C

*Visual Basic  
programmers have:  
step-by-step coverage  
of data access in  
Visual Studio .NET,  
with example code in  
C#.*

*An introductory book  
that attempts to cover  
the main data access  
technologies currently  
in use, including  
ODBC, DAO, OLE*



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## *DB, ADO AND RDS.*

*Python has various  
database drivers for  
PostgreSQL.*

*Currently, the psycopg  
is the most popular  
PostgreSQL database  
adapter for the  
Python language. The  
psycopg fully  
implements the  
Python DB-API 2.0  
specification. The*

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*Programming  
With C*  
*current version of the  
psycopg is 2 or  
psycopg2. The  
psycopg2 database  
adapter implemented  
in C as a libpq  
wrapper resulting in  
both fast and secure.  
The psycopg2 provides  
many useful features  
such as client-side  
and server-side  
cursors, asynchronous*

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*Programming  
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*notification and  
communication,  
COPY command  
support, etc.*

*PostgreSQL was  
designed to run on  
UNIX-like platforms.  
However, PostgreSQL  
was then also  
designed to be  
portable so that it  
could run on various  
platforms such as*

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*Mac OS X, Solaris,  
and Windows.*

*PostgreSQL is free  
and open source  
software. Its source  
code is available  
under PostgreSQL  
license, a liberal open  
source license. You  
are free to use,  
modify and distribute  
PostgreSQL in any  
form. PostgreSQL*

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*requires very minimum maintained efforts because of its stability. Therefore, if you develop applications based on PostgreSQL, the total cost of ownership is low in comparison with other database management systems. In Chapter 2, you will learn querying data*

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*Programming  
With C*  
*from the postgresql  
using Python*

*including establishing  
a database  
connection, creating a  
statement object,  
executing the query,  
processing the  
resultset object,  
querying data using a  
statement that returns  
multiple rows,  
querying data using a*

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*Programming  
With C*

*statement that has  
parameters, inserting  
data into a table using  
Python, updating data  
in postgresql database  
using Python, calling  
postgresql stored  
function using  
Python, deleting data  
from a postgresql  
table using Python,  
and postgresql Python  
transaction. In*

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*Chapter 3, you will learn managing table structure and views including postgresql data types, postgresql create table, postgresql select into statement, postgresql create table as, using postgresql serial to create auto-increment column, identity column, alter table,*



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*Programming  
With C*  
*drop table, truncate  
table, check*

*constraint, not-null  
constraint, foreign  
key, primary key,  
unique constraint,  
managing postgresql  
views, creating  
updatable views,  
materialized views,  
creating updatable  
views using the with  
check option clause,*

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*Programming  
With C*  
***and recursive view. In  
Chapter 4, you will  
learn statements,  
operators, and clauses  
including select, order  
by, select distinct,  
limit, fetch, in,  
between, postgresql  
like, is null, alias,  
joins, inner join,  
postgresql left join,  
self-join, full outer  
join, cross join,***

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Programming

*natural join, group  
by, having, intersect  
operator, except  
operator, grouping  
sets, cube, and rollup.  
In Chapter 5, you will  
learn postgresql  
trigger, aggregate,  
and string functions  
including creating the  
first trigger in  
postgresql, managing  
postgresql trigger,*

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Programming  
With C  
*aggregate functions,*

*avg function, max*

*function, min*

*function, sum*

*function, postgresql*

*concat function, ascii*

*function, trim*

*function, length*

*function, substring*

*function,*

*regexp\_matches*

*function,*

*regexp\_replace*

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*Programming  
With C*  
*function, replace  
function, to\_number  
function, and to\_char  
function.*

*This book is designed  
to introduce  
programmers to  
programming and  
computational  
thinking through the  
lens of exploring  
database. This book  
offers Python*

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*programming  
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*programmers one  
place to look when  
they need help  
guiding to Python as  
one of the fastest-  
growing computer  
languages including  
Web and Internet  
applications. This  
clear and concise  
introduction to the  
Python language is  
aimed at readers who*

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*Programming  
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*are already familiar  
with programming in  
at least one language.  
This hands-on book  
introduces the  
essential topic of  
coding and the Python  
computer language to  
beginners and  
pogrammers of all  
ages. This book  
explains relational  
theory in practice,*

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*and demonstrates  
through two projects  
how you can apply it  
to your use of  
MariaDB and SQL  
Server databases. This  
book covers the  
important  
requirements of  
teaching databases  
with a practical and  
progressive  
perspective. This book*



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*offers the  
straightforward,  
practical answers you  
need to help you do  
your job. This hands-  
on tutorial/reference/  
guide to MariaDB  
and SQL Server is not  
only perfect for  
students and  
beginners, but it also  
works for experienced  
developers who aren't*

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*getting the most from  
both databases. In  
designing a GUI and  
as an IDE, you will  
make use Qt Designer.  
In the first chapter,  
you will learn to use  
several widgets in  
PyQt5: Display a  
welcome message; Use  
the Radio Button  
widget; Grouping  
radio buttons;*

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*Displays options in the form of a check box; and Display two groups of check boxes. In chapter two, you will learn to use the following topics: Using Signal / Slot Editor; Copy and place text from one Line Edit widget to another; Convert data types and make a*

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*simple calculator; Use  
the Spin Box widget;  
Use scrollbars and  
sliders; Using the  
Widget List; Select a  
number of list items  
from one Widget List  
and display them on  
another Widget List  
widget; Add items to  
the Widget List;  
Perform operations  
on the Widget List;*

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*Programming  
With C*

***Use the Combo Box widget; Displays data selected by the user from the Calendar Widget; Creating a hotel reservation application; and Display tabular data using Table Widgets. In chapter three, you will learn: How to create the initial three tables project in the***

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*School database:*

*Teacher, Class, and  
Subject tables; How to  
create database  
configuration files;  
How to create a  
Python GUI for  
inserting and editing  
tables; How to create  
a Python GUI to join  
and query the three  
tables. In chapter  
four, you will learn*

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## Programming With C

*how to: Create a main form to connect all forms; Create a project will add three more tables to the school database: Student, Parent, and Tuition tables; Create a Python GUI for inserting and editing tables; Create a Python GUI to join and query over the*

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Programming  
With C

*three tables. In chapter five, you will join the six classes, Teacher, TClass, Subject, Student, Parent, and Tuition and make queries over those tables. In chapter six, you will create and configure database. In this chapter, you will create Suspect table in*



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*crime database. This table has eleven columns: suspect\_id (primary key), suspect\_name, birth\_date, case\_date, report\_date, suspect\_status, arrest\_date, mother\_name, address, telephone, and photo. You will also create GUI to display, edit, insert,*

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*Programming  
With C*

*and delete for this table. In chapter seven, you will create a table with the name `Feature_Extraction`, which has eight columns: `feature_id` (primary key), `suspect_id` (foreign key), `feature1`, `feature2`, `feature3`, `feature4`, `feature5`, and `feature6`. The six*

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*fields (except keys)  
will have a*

*VARCHAR data type  
(200). You will also  
create GUI to display,  
edit, insert, and delete  
for this table. In  
chapter eight, you will  
create two tables,  
Police and  
Investigator. The  
Police table has six  
columns: police\_id*

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*Programming  
With C*

*(primary key),  
province, city,  
address, telephone,  
and photo. The  
Investigator table has  
eight columns:*

*investigator\_id  
(primary key),  
investigator\_name,  
rank, birth\_date,  
gender, address,  
telephone, and photo.*

*You will also create*

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*Programming  
With C*

***GUI to display, edit, insert, and delete for both tables. In chapter nine, you will create two tables, Victim and Case\_File. The Victim table has nine columns: victim\_id (primary key), victim\_name, crime\_type, birth\_date, crime\_date, gender,***

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*Programming  
With C*  
*address, telephone,  
and photo. The*

*Case\_File table has  
seven columns:*

*case\_file\_id (primary  
key), suspect\_id  
(foreign key),  
police\_id (foreign  
key), investigator\_id  
(foreign key),  
victim\_id (foreign  
key), status, and  
description. You will*

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*Programming  
With C*  
*create GUI to display,  
edit, insert, and delete  
for both tables as  
well.*

*The Ultimate Guide to  
Professional  
Database*

*Programming with  
Python and  
PostgreSQL*

*6th International  
Workshop, DBPL-6,  
Estes Park, Colorado,*

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*USA, August 18-20,  
1997*

*A Pragmatic  
Approach to Database  
Programming with  
JDBC and MySQL  
A Heuristic Database  
Programming with  
PHP and PostgreSQL  
Database  
Programming  
Languages  
Sams Teach Yourself*

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*Database*

*Programming with  
Visual C++ 6 in 21  
Days*

**The Fourth  
International  
Workshop on  
Database  
Programming  
Languages -  
Object Models  
and Languages  
(DBPL-4) took**

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**place in  
Manhattan, New  
York City, 30  
August-1  
September 1993.  
The areas of  
interest and the  
format of DBPL-4  
focused on the  
integration of  
programming  
languages, object  
models, type**

***systems. As in  
the previous  
DBPL workshops,  
the setting was  
informal,  
allowing the  
participants to  
actively discuss  
and argue about  
the ideas  
presented in the***

***talks. The comments and remarks made by the participants during and after the presentations were taken into account in the preparation of the final versions of the papers. The result, we believe, is a set***

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***of excellent papers. The DBPL sequence is closely related to the sequence of International Workshops on Persistent Object Systems (POS), first started in 1985. While the DBPL workshops focus on***

***language and model issues, the POS workshops have focused on implementation issues; thus the two sequences complement each other. Many researchers participate in both workshop series. The eight***

***sessions of the technical program of DBPL-4 were as follows: 1. Bulk types and their query languages (two sessions). 2. Object models and languages. 3. Data types with order. 4. Mechanisms to***

**support  
persistence,  
reflection, and  
extensibility. 5.  
Query  
optimization and  
integrity  
constraints. 6.  
Logic-based  
models. 7.  
Implementation  
and performance  
issues.**



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***This book offers the straightforward, practical answers you need to help you do your job. This hands-on tutorial/reference/guide to PostgreSQL and SQL Server is not only perfect for students and***

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*beginners, but it also works for experienced developers who aren't getting the most from PostgreSQL and SQL Server. As you would expect, this book shows how to build from scratch two*

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**different  
databases:**

***PostgreSQL and  
SQL Server using  
Java. In designing  
a GUI and as an  
IDE, you will  
make use of the  
NetBeans tool. In  
chapter one, you  
will learn: How to  
install NetBeans,  
JDK 11, and the***

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***PostgreSQL  
connector; How  
to integrate  
external libraries  
into projects;  
How the basic  
PostgreSQL  
commands are  
used; How to  
query statements  
to create  
databases, create  
tables, fill tables,***

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*Programming  
With C*  
**and manipulate  
table contents is  
done. In chapter  
two, you will  
learn querying  
data from the  
postgresql using  
jdbc including  
establishing a  
database  
connection,  
creating a  
statement object,**

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***executing the query, processing the resultset object, querying data using a statement that returns multiple rows, querying data using a statement that has parameters, inserting data into a table using***

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***jdbc, updating  
data in  
postgresql  
database using  
jdbc, calling  
postgresql stored  
function using  
jdbc, deleting  
data from a  
postgresql table  
using jdbc, and  
postgresql jdbc  
transaction. In***

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***chapter three,  
you will learn the  
basics of  
cryptography  
using Java. Here,  
you will learn  
how to write a  
Java program to  
count Hash, MAC  
(Message  
Authentication  
Code), store keys  
in a KeyStore,***



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**generate  
PrivateKey and  
PublicKey,  
encrypt / decrypt  
data, and  
generate and  
verify digital  
prints. You will  
also learn how to  
create and store  
salt passwords  
and verify them.  
In chapter four,**

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*you will create a PostgreSQL database, named Bank, and its tables. In chapter five, you will create a Login table. In this case, you will see how to create a Java GUI using NetBeans to implement it. In*

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***addition to the Login table, in this chapter you will also create a Client table. In the case of the Client table, you will learn how to generate and save public and private keys into a database. You will also learn***

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*how to encrypt /  
decrypt data and  
save the results  
into a database.  
In chapter six,  
you will create an  
Account table.  
This account  
table has the  
following ten  
fields: account\_id  
(primary key),  
client id*

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*Programming  
With C*  
**(primarykey),**

**account\_number,**

**account\_date,**

**account\_type,**

**plain\_balance,**

**cipher\_balance,**

**decipher\_balance**

**,**

**digital\_signature,**

**and signature\_ver**

**ification. In this**

**case, you will**

**learn how to**

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With C

***implement  
generating and  
verifying digital  
prints and storing  
the results into a  
database. In  
chapter seven,  
you create a  
table named  
Client\_Data,  
which has seven  
columns:  
client data id***

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*(primary key),  
account\_id  
(primary\_key),  
birth\_date,  
address,  
mother\_name,  
telephone, and  
photo\_path. In  
chapter eight,  
you will be  
taught how to  
create a SQL  
Server database,*

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*named Crime,  
and its tables. In  
chapter nine, you  
will be taught  
how to extract  
image features,  
utilizing  
BufferedImage  
class, in Java GUI.  
In chapter ten,  
you will be  
taught to create  
Java GUI to view,*



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*Programming  
With C*  
**edit, insert, and  
delete Suspect  
table data. This  
table has eleven  
columns:**

***suspect\_id  
(primary key),  
suspect\_name,  
birth\_date,  
case\_date,  
report\_date,  
suspect\_status,  
arrest\_date,***

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***mother\_name,  
address,  
telephone, and  
photo. In chapter  
eleven, you will  
be taught to  
create Java GUI to  
view, edit, insert,  
and delete Featur  
e\_Extraction  
table data. This  
table has eight  
columns:***

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***feature\_id***  
***(primary key),***  
***suspect\_id***  
***(foreign key),***  
***feature1,***  
***feature2,***  
***feature3,***  
***feature4,***  
***feature5, and***  
***feature6. In***  
***chapter twelve,***  
***you will add two***  
***tables:***

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***Police\_Station  
and Investigator.  
These two tables  
will later be  
joined to Suspect  
table through  
another table,  
File\_Case, which  
will be built in  
the seventh  
chapter. The  
Police\_Station  
has six columns:***

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*programming  
With C*  
**police\_station\_id**

**(primary key),**

**location, city,**

**province,**

**telephone, and**

**photo. The**

**Investigator has**

**eight columns:**

**investigator\_id**

**(primary key), inv**

**estigator\_name,**

**rank, birth\_date,**

**gender, address,**

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*programming  
With C*

**telephone, and photo. Here, you will design a Java GUI to display, edit, fill, and delete data in both tables. In chapter thirteen, you will add two tables: Victim and File\_Case. The File\_Case table will connect**

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Programming  
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**four other tables:**

**Suspect,  
Police\_Station,  
Investigator and  
Victim. The  
Victim table has  
nine columns:  
victim\_id  
(primary key),  
victim\_name,  
crime\_type,  
birth\_date,  
crime\_date,**

## Download Ebook Database

*gender, address,  
telephone, and  
photo. The  
File\_Case has  
seven columns:  
file\_case\_id  
(primary key),  
suspect\_id  
(foreign key),  
police\_station\_id  
(foreign key),  
investigator\_id  
(foreign key),*



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*victim\_id (foreign key), status, and description. Here, you will also design a Java GUI to display, edit, fill, and delete data in both tables. Finally, this book is hopefully useful and can improve database*

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**skills for every Ja  
va/PostgreSQL/S  
QL Server  
programmer.  
Oracle Database  
Programming  
with Visual  
Basic.NET  
Discover a  
detailed  
treatment of the  
practical**

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*considerations  
and applications  
of Oracle  
database  
programming  
with Visual Basic  
2019 Oracle  
Database  
Programming  
with Visual  
Basic.NET:  
Concepts,  
Designs, and*

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*Implementations  
delivers a  
comprehensive  
exploration of the  
foundations of  
Oracle database  
programming  
using Visual  
Basic.NET. Using  
Visual Basic.NET  
2019, Visual  
Studio.NET 2019,  
and Oracle 18c*

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***XE, the book  
introduces the  
Oracle database  
development  
system, Oracle  
SQL Developer  
and Modeler, and  
teaches readers  
how to  
implement a  
sample database  
solution. The  
distinguished***

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***author also demonstrates the use of dotConnect for Oracle to show readers how to create an effective connection to an Oracle 18c XE database. The current versions of the .NET***

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*framework,  
ASP.NET, and  
ASP.NET 4.7 are  
also explored and  
used to offer  
readers the most  
up to date web  
database  
programming  
techniques  
available today.  
The book  
provides practical*

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**example projects  
and detailed, line-  
by-line  
descriptions  
throughout to  
assist readers in  
the development  
of their database  
programming  
skill. Students  
will also benefit  
from the  
inclusion of: A**



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***thorough  
introduction to  
databases,  
including  
definitions,  
examples,  
descriptions of  
keys and  
relationships,  
and some  
database  
components in  
popular***

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*databases, like  
Access, SQL, and  
Oracle An  
exploration of  
ADO.NET,  
including its  
architecture and  
components, like  
the DataReader  
class, DataSet  
component,  
DataTable  
component, and*

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**the command and  
parameter  
classes A  
discussion of  
Language  
Integrated Query  
(LINQ), including  
its architecture  
and components,  
its relationship to  
objects, DataSet,  
Oracle, and  
Entities An**

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**explanation of  
how to access  
data in ASP.NET  
and ASP.NET Web  
Services with  
multiple real  
project examples.  
Perfect for  
college and  
university  
students taking  
courses related  
to database**

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**programming and  
applications,  
Oracle Database  
Programming  
with Visual  
Basic.NET will  
also earn a place  
in the libraries of  
programmers and  
software  
engineers  
seeking a  
comprehensive**

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Programming  
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**reference for  
database coding  
in Visual  
Basic.NET.**

***In this book, you  
will create three  
desktop  
applications  
using Java GUI  
and PostgreSQL.  
In this book, you  
will learn how to  
build from***

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**scratch a PostgreSQL database management system using Java. In designing a GUI and as an IDE, you will make use of the NetBeans tool. Gradually and step by step, you will be taught**

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**how to utilize  
PostgreSQL in**

**Java. In chapter  
one, you will  
create School  
database and its  
six tables. In  
chapter two, you  
will study:  
Creating the  
initial three table  
projects in the  
school database:**



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*Teacher table,  
TClass table, and  
Subject table;  
Creating  
database  
configuration  
files; Creating a  
Java GUI for  
viewing and  
navigating the  
contents of each  
table; Creating a  
Java GUI for*

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***inserting and editing tables; and Creating a Java GUI to join and query the three tables. In chapter three, you will learn: Creating the main form to connect all forms; Creating a project will add***

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*Programming  
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**three more tables  
to the school  
database: the  
Student table,  
the Parent table,  
and Tuition table;  
Creating a Java  
GUI to view and  
navigate the  
contents of each  
table; Creating a  
Java GUI for  
editing, inserting,**

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***and deleting records in each table; Creating a Java GUI to join and query the three tables and all six. In chapter four, you will study how to query the six tables. In chapter five, you will learn the basics***

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Programming  
With C  
**of cryptography  
using Java. Here,  
you will learn  
how to write a  
Java program to  
count Hash, MAC  
(Message  
Authentication  
Code), store keys  
in a KeyStore,  
generate  
PrivateKey and  
PublicKey,**

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Database

*encrypt / decrypt data, and generate and verify digital prints. In chapter six, you will create Bank database and its tables. In chapter seven, you will learn how to create and store salt passwords*

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**and verify them. You will create a Login table. In this case, you will see how to create a Java GUI using NetBeans to implement it. In addition to the Login table, in this chapter you will also create a Client table. In**

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**the case of the  
Client table, you  
will learn how to  
generate and  
save public and  
private keys into  
a database. You  
will also learn  
how to encrypt /  
decrypt data and  
save the results  
into a database.  
In chapter eight,**



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*you will create an  
Account table.*

*This account  
table has the  
following ten  
fields: account\_id  
(primary key),  
client\_id  
(primarykey),  
account\_number,  
account\_date,  
account\_type,  
plain balance,*

***cipher\_balance,  
decipher\_balance***

***,  
digital\_signature,  
and signature\_verification. In this  
case, you will  
learn how to  
implement  
generating and  
verifying digital  
prints and storing  
the results into a***

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**database. In chapter nine, you will create a Client\_Data table, which has the following seven fields:**

**client\_data\_id  
(primary key),  
account\_id  
(primary\_key),  
birth\_date,  
address,**

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*mother\_name,  
telephone, and  
photo\_path. In  
chapter ten, you  
will be taught  
how to create  
Crime database  
and its tables. In  
chapter eleven,  
you will be  
taught how to  
extract image  
features, utilizing*

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**BufferedImage**  
**class, in Java GUI.**

**In chapter  
twelve, you will  
be taught to  
create Java GUI to  
view, edit, insert,  
and delete**

**Suspect table  
data. This table  
has eleven  
columns:**

**suspect id**

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**(primary key),  
suspect\_name,  
birth\_date,  
case\_date,  
report\_date,  
suspect\_status,  
arrest\_date,  
mother\_name,  
address,  
telephone, and  
photo. In chapter  
thirteen, you will  
be taught to**

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**create Java GUI to  
view, edit, insert,  
and delete Featur  
e\_Extraction  
table data. This  
table has eight  
columns:  
feature\_id  
(primary key),  
suspect\_id  
(foreign key),  
feature1,  
feature2,**

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***feature3,  
feature4,  
feature5, and  
feature6. In  
chapter fourteen,  
you will add two  
tables:***

***Police\_Station  
and Investigator.  
These two tables  
will later be  
joined to Suspect  
table through***



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**another table,  
File\_Case. The  
Police\_Station  
has six columns:  
police\_station\_id  
(primary key),  
location, city,  
province,  
telephone, and  
photo. The  
Investigator has  
eight columns:  
investigator\_id**

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*(primary key), investigator\_name, rank, birth\_date, gender, address, telephone, and photo. Here, you will design a Java GUI to display, edit, fill, and delete data in both tables. In chapter fifteen, you will add two*

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**tables: Victim  
and File\_Case.**

**The File\_Case  
table will connect  
four other tables:**

**Suspect,  
Police\_Station,  
Investigator and  
Victim. The**

**Victim table has  
nine columns:**

**victim\_id  
(primary key),**

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*victim\_name,*  
*crime\_type,*

*birth\_date,*

*crime\_date,*

*gender, address,*

*telephone, and*

*photo. The*

*File\_Case has*

*seven columns:*

*file\_case\_id*

*(primary key),*

*suspect\_id*

*(foreign key),*

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***police\_station\_id***  
***(foreign key),***  
***investigator\_id***  
***(foreign key),***  
***victim\_id (foreign***  
***key), status, and***  
***description. Here,***  
***you will also***  
***design a Java GUI***  
***to display, edit,***  
***fill, and delete***  
***data in both***  
***tables.***

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including linked  
lists, sort, and  
search Stacks and  
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overflows, illegal  
memory access,  
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in the PHP

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structure and views  
including  
postgresql data  
types, postgresql  
create table,  
postgresql select  
into statement,*

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*postgresql create  
table as, using  
postgresql serial to  
create auto-  
increment column,  
identity column,  
alter table, drop  
table, truncate  
table, check  
constraint, not-null  
constraint, foreign  
key, primary key,  
unique constraint,*

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*managing postgresql views, creating updatable views, materialized views, creating updatable views using the with check option clause, and recursive view. In Chapter 4, you will learn statements, operators, and*

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clauses including  
select, order by,  
select distinct,  
limit, fetch, in,  
between,  
postgresql like, is  
null, alias, joins,  
inner join,  
postgresql left join,  
self-join, full outer  
join, cross join,  
natural join, group  
by, having,

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*intersect operator,  
except operator,  
grouping sets,  
cube, and rollup. In  
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trigger, aggregate,  
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functions including  
creating the first  
trigger in  
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aggregate*

*functions, avg*

*function, max*

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*concat function,*

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*function,*

*regex\_replace*

*function, replace*

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