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move data back and forth between database and application the must have knowledge in this book helps programmers learn how to use the official driver mysql connector python by which python programs communicate with the mysql database this book takes you from the initial installation of the connector through basic query execution then through more advanced topics error handing and troubleshooting the book covers both the traditional api as well as the new x devapi the x devapi is part of mysql 8 0 and is an api that can be used with connectors for several programming languages and is used from the command line interface known as mysql shell you will learn to use the connector by working through code examples and following a discussion of how the api calls work by the end of the book you will be able to use mysql as the back end storage for your python programs and you ll even have the option of choosing between sqland nosql interfaces what you ll learn install mysql connector python connect to mysql and configure database access execute sql and nosql queries from your python program trap errors and troubleshoot problems store data from different languages using mysql s character set support work in the x devapi that underlies all of mysql s language connectors who this book is for developers familiar with python who

are looking at using mysql as the back end database no prior knowledge of connector python is assumed but readers should be familiar with databases and the python programming language

learn python programming provides basic and advanced concepts of python our python tutorial is designed for beginners and professionals python is a simple general purpose high level and object oriented programming language python is an interpreted scripting language also guido van rossum is known as the founder of python programming learn python programming includes all topics of python programming such as installation control statements strings lists tuples dictionary modules exceptions date and time file i o programs etc there are also given python interview questions to help you better understand python programming

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beginning sensor networks with arduino and raspberry pi teaches you how to build sensor networks with arduino raspberry pi and xbee radio modules and even shows you how to turn your raspberry pi into a mysql database server to store your sensor data first you ll learn about the different types of sensors and sensor networks including how to build a simple xbee network then you ll walk through building an arduino based temperature sensor and data collector followed by building a raspberry pi based sensor node next you ll learn different ways to store sensor data including writing to an sd card sending data to the cloud and setting up a raspberry pi mysql server to host your data you even learn how to connect to and interact with a mysql database server directly from an arduino finally you ll learn how to put it all together by connecting your arduino sensor node to your new raspberry pi

database server if you want to see how well arduino and raspberry pi can get along especially to create a sensor network then beginning sensor networks with arduino and raspberry pi is just the book you need

part of the oracle press effective mysql series this book explains how to implement mysql replication and solve the inherent limitations in order to enable a highly available scalable database system

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this book consists of a series of step by step tutorials for creating mini projects in integrating pyqt python opencv and mysql database by studying this book you will understand how to program python guis involving opencv and databases in applications this book is suitable for beginners students engineers and even researchers in a variety of disciplines no advanced programming experience is needed and only a few school level programming skills are needed 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 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 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 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 basic mysql statements including how to implement querying data sorting data filtering data joining tables grouping data subquerying data dan setting operators aside from learning basic sql statements you 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 of the procedure code such as create procedure statement if else case loop stored procedure s parameters chapter four will help you get started with mysql python connector you will learn about the mysql python connector s features and how to install mysql connector python in your local system chapter five will help you understand the basics of mysql data manipulation 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 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 primary key 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 eight you will create two 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 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 vicbtim table has 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 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

this book helps you to get started with python and mysql development we perform crud operation and manipulate data and blob we also access stored procedures last we access microsoft azure database for mysql the following is a list of highlight topics setting up development environment getting started python and mysql crud operations working with image and blob data transaction stored procedures working with azure database for mysql and python

you will learn python mysql fast easy and fun this book provides you 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 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 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 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 querying data sorting data filtering data joining tables grouping data subquerying data dan setting operators aside from learning basic sql statements you 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 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 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 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 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 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 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 mysql functions including aggregate functions string functions date time functions control flow functions etc

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reference book well suited for the sysadmin of a linux cluster or the owner of a pc contemplating installing a recent stable linux don t be put off by the daunting heft of the book sobell has striven to be as inclusive as possible in trying to anticipate your system administration needs wes boudville inventor a practical guide to red hat linux is a brilliant book thank you mark sobell c pozrikidis university of california at san diego this book presents the best overview of the linux operating system that i have found it should be very helpful and understandable no matter what the reader s background is traditional unix user new linux devotee or even windows user each topic is presented in a clear complete fashion and very few assumptions are made about what the reader knows the book is extremely useful as a reference as it contains a 70 page glossary of terms and is very well indexed it is organized in such a way that the reader can focus on simple tasks without having to wade through more advanced topics until they are ready cam marshall marshall information service llc member of front range unix users group fruug boulder colorado conclusively this is the book to get if you are a new linux user and you just got into rh fedora world there s no other book that discusses so many different topics and in such depth eugenia loli queru editor in chief osnews comthe best just became better again completely revised to meet all your fedora core and red hat enterprise linux needs fedora core and red hat enterprise linux are advanced operating systems you need a book that s just as advanced this book explains linux clearly and effectively with a focus on features you care about from system security and internet server setup to windows file printer sharing best selling author mark sobell starts at the beginning and walks you through everything that matters from installing linux using the included dvd to working with gnome kde samba sendmail apache dns nis and iptables this edition contains extensive coverage including full chapters on using linux from the command line and gui even more thorough system administration and security guidance and up to the minute step by step instructions for setting up networks and every major type of internet server along the way you learn the hows andthe whys mark sobell knows every linux nook and cranny has taught hundreds of thousands of readers and never forgets what it s like to be new to linux whether you are a user an administrator or a programmer this book gives you all you need and more don t settle for yesterday s linux book get the only book that meets today s challenges andtomorrow s compared with the other linux books out there a practical guide to red hat linux third edition delivers complete coverage of fedora core and red hat enterprise linux deeper coverage of the command line and the gnome and kde guis including gui customization more practical coverage of file sharing with samba nfs and ftp more detailed usable coverage of internet server configuration including apache sendmail nfs and dns bind more state of the art security techniques including selinux security enhanced linux acls access control lists firewall setup using the red hat gui and using iptables and a full chapter on openssh more and better coverage of meat and potatoes system network administration tasks a more practical introduction to writing bash shell scripts complete instructions on how to keep your linux system up to date using yum and much more including a 500 term glossary and a comprehensive index to help you find what you need fast includes dvd get the full version of red hat s fedora core 5 release

in this book one of the world s leading linux experts brings together all the knowledge you need to master fedora or red hat enterprises linux and succeed with it in the real world

build and program projects that tap into the internet of things iot using arduino raspberry pi and beaglebone black this innovative guide gets you started right away working with the most popular processing platforms wireless communication technologies the cloud and a variety of sensors you ll learn how to take advantage of the utility and versatility of the iot and connect devices and systems to the internet using sensors each project features a list of the tools and components how to explanations with photos and illustrations and complete programming code all projects can be modified and expanded so you can build on your skills the internet of things diy projects with arduino raspberry pi and beaglebone black

covers the basics of java c python javascript and other programming languages used in the projects shows you how to use ibm s net beans ide and the eclipse ide explains how to set up small scale networks to connect the projects to the internet includes essential tips for setting up and using a mysql database the fun diy projects in the book include raspberry pi home temperature measurements raspberry pi surveillance webcams raspberry pi home weather station arduino garage door controller arduino irrigation controller arduino outdoor lighting controller beaglebone message panel beaglebone remote control sdr machine to machine demonstration project

mysql 5 due to be released in summer 2005 is slated to be the most significant release in the product s history the definitive guide to mysql 5 third edition is the first book to offer in depth instruction on the new features this book shows readers how to connect to mysql via all of the major apis including php perl java jsp and c novice and intermediate database administrators are introduced to both mysql s key features and crucial database management concepts by way of real world examples such as discussion forums online polls and other data administration projects

in this book you will create two desktop applications using python gui and mysql in this book you will learn how to build from scratch a mysql database management system using pyqt in designing 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 including how to implement querying data sorting data filtering data joining tables grouping data subquerying data dan setting operators aside from learning basic sql statements you 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 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 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 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 tables in chapter six 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 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 tables in chapter seven you will create new database dan configure it 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 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 eight 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 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 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 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 vicbtim table has 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 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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