

community-developed database

MySQL for Python

Integrate MySQL databases with Python and MySQLdb to boost the productivity of your applications

Albert Lukaszewski

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MySQL for Python Albert Lukaszewski, Antony Reynolds, 2010-09-21 This is a practical tutorial style book that includes many examples to demonstrate the full potential of MySQL for Python. Every chapter starts with an explanation of the various areas for using MySQL for Python and ends with work on a sample application using the programming calls just learned. All complicated concepts are broken down to be very easy to understand. Everything in the book is designed to help you learn and use MySQL for Python to address your programming needs in the fastest way possible. This book is meant for intermediate users of Python who want hassle free access to their MySQL database through Python. If you are a Python programmer who wants database support in your Python applications then this book is for you. This book is a must read for every focused user of the MySQL for Python library who wants real world applications using this powerful combination of Python and MySQL.

Step By Step Database Programming using Python GUI & MySQL Hamzan Wadi, This book provides a practical explanation of database programming using Python GUI MySQL. The discussion in this book is presented in step by step so that it will help readers understand each material and also will make it easier for the readers to follow all of the instructions. This book is very suitable for students programmers and anyone who want to learn database programming using Python GUI MySQL from scratch. This book is divided into two parts. The first part of this book will discuss about the fundamentals of database programming using Python GUI MySQL. This part will discuss in detail about how to setup your working environment and how to understand GUI programming using Python. This part will also discuss in detail about how to start your database programming using Python GUI MySQL. This part will discuss in detail about the basic of database programming using Python GUI MySQL. The second part of this book will discuss about how to build database application using Python GUI MySQL. This part will discuss in detail about how to build Multiple Document Interface (MDI) database application through real project based example. This part will discuss in detail about how to design and create database for Library Management System application and how to create all forms for the application. The final objective of this book is that the readers are able to create real database application using Python GUI MySQL. Here are the materials that you will learn in this book:

PART I THE FUNDAMENTAL OF DATABASE PROGRAMMING USING PYTHON GUI MySQL

CHAPTER 1 The discussion in this chapter will guide you in preparing what software are needed to start your database programming using Python GUI. This chapter will guide you to install all software including Python MySQL and Qt Designer. In addition this chapter also will discuss about how to understand and use Qt Designer for user interface design and how to create a GUI application using Python and Qt Designer.

CHAPTER 2 The discussion in this chapter will guide you to start your database programming using Python GUI MySQL. This chapter will discuss in detail about the basic of database programming using Python GUI MySQL. The discussion in this chapter will talk about how to create and drop database, how to create and drop table, how to insert data into table, how to display data from table, how to update data in table and how to delete data in table.

All discussions in this chapter will give you deep understanding of database programming using Python GUI MySQL PART II BUILDING DATABASE APPLICATION USING PYTHON GUI MySQL CASE STUDY LIBRARY MANAGEMENT SYSTEM APPLICATION CHAPTER 3 The discussion in this chapter will guide you to design and create database for library management system application This is the first step that must be taken to create database application using Python GUI MySQL This chapter will discuss in detail about how to design the Entity Relationship Diagram ERD for library management system application The discussion in this chapter will also talk about how to create database and its tables based on the ERD design using MySQL server CHAPTER 4 The discussion in this chapter will guide you to create main form and login form for the application This chapter will discuss in detail about how to create these two forms These forms are the first two forms that we will create in building library management system application This chapter will also discuss about how to run the application CHAPTER 5 The discussion in this chapter will guide you to create user accounts form and members form for Library Management System application This chapter will discuss in detail about how to create these two forms This chapter will also discuss about how to add these two forms as MDI sub windows of the main form And the final discussion of this chapter will guide you to use the forms to manage user accounts and members data of Library Management System application CHAPTER 6 The discussion in this chapter will guide you to create authors form genres form and books form for Library Management System application This chapter will discuss in detail about how to create these three forms This chapter will also discuss about how to add books form as MDI sub window of the main form And the final discussion of this chapter will guide you to use the forms to manage authors genres and books data in Library Management System application CHAPTER 7 The discussion in this chapter will guide you to create member search form book search form and loan transaction form for Library Management System application This chapter will discuss in detail about how to create these three forms This chapter will also discuss about how to add loan transaction form as MDI sub window of the main form And the final discussion of this chapter will guide you to use the forms to manage loan transactions in Library Management System application CHAPTER 8 The discussion in this chapter will guide you to create members statistic form books statistic form and loan statistic form for Library Management System application This chapter will discuss in detail about how to create these three forms This chapter will also discuss about how to add all of the forms as MDI sub windows of the main form And the final discussion of this chapter will guide you to use all of the forms to display the statistics in the library

PEMROGRAMAN PYTHON : Untuk Pelajar & Mahasiswa Hamzan Wadi, ST, Buku ini ditujukan bagi para pembelajar baik dari kalangan pelajar mahasiswa insinyur peneliti dan pengembang perangkat lunak yang ingin belajar pemrograman Python dari awal Dengan menekankan konsep learning by doing buku ini hadir dengan contoh contoh yang kasuistik dan implementatif Buku ini mengajak pembaca untuk mencoba dan berlatih setiap hari langkah demi langkah sehingga pembaca memahami betul setiap pembahasan yang ada Pembahasan di dalam buku ini tidak bertele tele dan dan tidak teoritis Setiap

pembahasan di dalam buku ini disajikan secara singkat padat dan jelas serta langsung kepada contoh yang mengimplementasikan pembahasan tersebut. Buku ini membahas secara komprehensif prinsip-prinsip pemrograman Python yang meliputi pengenalan interpreter Python, variabel tipe data berbagai operator seperti operator aritmatika, operator logika, operator bitwise, operator perbandingan relasional, tipe data gabungan seperti list, tuple, set, dan dictionaries, berbagai statement perulangan, statement pengendalian kondisi, statmet kondisional, fungsi, modul, operasi file, kelas dan objek, teknik pewarisan, dan enkapsulasi dalam kelas pemrograman database. Pemrograman GUI dan pemrograman web menggunakan CGI. [Python](#) Posts & Telecom Press, 2024-02-26. Python Key Features, Python Book Description, Python Python 3 18 1. Python __init__ Python mixin 2. Shelve SQLite 3. Logging Warning Python Python Python Python IT What will you learn Python JSON YAML Pickle CSV XML Shelve SQL Python Python Who this book is for 1. Python 2. Python 3

Python and MySQL Development Agus Kurniawan, 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. [MySQL Connector/Python Revealed](#) Jesper Wisborg Krogh, 2018-07-31. 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 handling, 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 SQL and 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. [OpenCV-Python with MySQL for Absolute Beginners](#) Vivian Siahaan, Rismon Hasiholan, Sianipar, 2019-09-14. 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 and 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 and 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 Victim 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 [A Guide to Python GUI Programming with MySQL](#) Vivian Siahaan, Rismon Hasiholan Sianipar, 2020-01-14 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 and 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 and 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 Victim 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 [Introducing MySQL Shell](#) Charles Bell,2019 Use MySQL Shell the first modern and advanced client for connecting to and interacting with MySQL It supports SQL Python and JavaScript Thats right You can write Python scripts and execute them within the shell interactively or in batch mode The level of automation available from Python combined with batch mode is especially helpful to those practicing DevOps methods in

their database environments Introducing MySQL Shell covers everything you need to know about MySQL Shell You will learn how to use the shell for SQL as well as the new application programming interfaces for working with a document store and even automating your management of MySQL servers using Python The book includes a look at the supporting technologies and concepts such as JSON schema less documents NoSQL MySQL Replication Group Replication InnoDB Cluster and more MySQL Shell is the client that developers and database administrators have been waiting for Far more powerful than the legacy client MySQL Shell enables levels of automation that are useful not only for MySQL but in the broader context of your career as well Automate your work and build skills in one of the most in demand languages With MySQL Shell you can do both What You ll Learn Use MySQL Shell with the newest features in MySQL 8 Discover what a Document Store is and how to manage it with MySQL Shell Configure Group Replication and InnoDB Cluster from MySQL Shell Understand the new MySQL Python application programming interfaces Write Python scripts for managing your data and the MySQL high availability features

Python GUI with MySQL: A Step By Step Guide to Database Programming Vivian Siahaan,Rismon Hasiholan Sianipar,2019-08-13 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 and 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 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 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

MYSQL FOR DATA ANALYSIS AND VISUALIZATION WITH PYTHON GUI Vivian Siahaan,Rismon Hasiholan Sianipar,2022-06-26 In this project you will use the Northwind database which is a sample database that was originally created by Microsoft and used as the basis for their tutorials in a variety of database products for decades The Northwind database contains the sales data for a fictitious company called Northwind Traders which imports and exports specialty foods from around the world The

Northwind database is an excellent tutorial schema for a small business ERP with customers orders inventory purchasing suppliers shipping employees and single entry accounting The Northwind dataset includes sample data for the following Suppliers Suppliers and vendors of Northwind Customers Customers who buy products from Northwind Employees Employee details of Northwind traders Products Product information Shippers The details of the shippers who ship the products from the traders to the end customers Orders and Order_Details Sales Order transactions taking place between the customers the distribution of amount by year quarter month week day and hour the distribution of bottom 10 sales by product top 10 sales by product bottom 10 sales by customer top 10 sales by customer bottom 10 sales by supplier top 10 sales by supplier bottom 10 sales by customer country top 10 sales by customer country bottom 10 sales by supplier country top 10 sales by supplier country average amount by month with mean and ewm average amount by every month amount feature over june 1997 amount feature over 1998 and all amount feature [The Self-Taught Coder: The Definitive Guide to Database Programming with Python and MySQL](#) Vivian Siahaan, Rismon Hasiholan Sianipar, 2019-02-19 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 and 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 a 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 [FULL SOURCE CODE: MYSQL FOR STUDENTS AND PROGRAMMERS WITH PYTHON GUI](#)

Vivian Siahaan,Rismon Hasiholan Sianipar,2022-07-24 In this project we provide you with a MySQL version of an Oracle sample database named OT which is based on a global fictitious company that sells computer hardware including storage motherboard RAM video card and CPU The company maintains the product information such as name description standard cost list price and product line It also tracks the inventory information for all products including warehouses where products are available Because the company operates globally it has warehouses in various locations around the world The company records all customer information including name address and website Each customer has at least one contact person with detailed information including name email and phone The company also places a credit limit on each customer to limit the amount that customer can owe Whenever a customer issues a purchase order a sales order is created in the database with the pending status When the company ships the order the order status becomes shipped In case the customer cancels an order the order status becomes canceled In addition to the sales information the employee data is recorded with some basic information such as name email phone job title manager and hire date In this project you will write Python script to create every table and insert rows of data into each of them You will develop GUI with PyQt5 to each table in the database You will also create GUI to plot case distribution of order date by year quarter month week and day the distribution of amount by year quarter month week day and hour the distribution of bottom 10 sales by product top 10 sales by product bottom 10 sales by customer top 10 sales by customer bottom 10 sales by category top 10 sales by category bottom 10 sales by status top 10 sales by status bottom 10 sales by customer city top 10 sales by customer city bottom 10 sales by customer state top 10 sales by customer state average amount by month with mean and EWM average amount by every month amount feature over June 2016 amount feature over 2017 and amount payment in all years [ZERO TO MASTERY: THE COMPLETE GUIDE TO](#)

[LEARNING MYSQL BASED MULTIFORM PYTHON GUI](#) Vivian Siahaan,Rismon Hasiholan Sianipar,2022-08-25 In this project we provide you with the MySQL version of The Oracle Database Sample Schemas that provides a common platform for examples in each release of the Oracle Database The sample database is also a good database for practicing with SQL especially MySQL The detailed description of the database can be found on <http://luna/ext/di/fc/ul/pt/oracle11g/server/112/e10831/diagrams.htm> insertedID0 The four schemas are a set of interlinked schemas This set of schemas provides a layered approach to complexity A simple schema Human Resources HR is useful for introducing basic topics An extension to this schema supports Oracle Internet Directory demos A second schema Order Entry OE is useful for dealing with matters of intermediate complexity Many data types are available in this schema including non scalar data types The Online Catalog OC subschema is a collection of object relational database objects built inside the OE schema The Product Media PM schema is

dedicated to multimedia data types The Sales History SH schema is designed to allow for demos with large amounts of data An extension to this schema provides support for advanced analytic processing The HR schema consists of seven tables regions countries locations departments employees jobs and job_histories This book only implements HR schema since the other schemas will be implemented in the next books [**MySQL Programming**](#) George Duckett,2016-04-13 If you have a question about MySQL Programming this is the book with the answers MySQL Programming Questions and Answers takes some of the best questions and answers asked on the stackoverflow com website You can use this book to look up commonly asked questions browse questions on a particular topic compare answers to common topics check out the original source and much more This book has been designed to be very easy to use with many internal references set up that makes browsing in many different ways possible Topics covered include SQL PHP MySQL Database Ruby On Rails PDO InnoDB Select JOIN Performance Foreign Keys Mysqldump Osx Python Java DateTime PhpMyAdmin PostgreSQL and many more [**Python Programming in a Day and MySQL Programming Professional Made Easy**](#) Sam Key,2015-03-24 Python Programming In A Day Beginners Power Guide To Learning Python Programming From Scratch Professional MySQL Programming Made Easy Expert MySQL Programming Language Success in a Day for any Computer User Python What exactly is python programming and is it really that complex How is Python made so easy so the jargon is gone and you can have success programming within a day Want to know all about interactive mode with mathematical operations Variables Strings Mr Key is going above and beyond with data types programming modes and conditional statements Always wanted a step by step guide to begin a program building from start to finish Look no further Its time for you to take advantage of this easy programming guide so you can have immediate success in Python Programming Learn right away how to have success in programming through the following steps Simple Setup Procedures Steps In Interactive Modes of Mathematical Operations Variables and Strings How to Transition from Interactive Mode to Programming Mode Finishing Of Your Program MySQL Programming Made Easy Always wanted to learn MySQL Programming Always confused by all the technical jargon and its the reason why you haven t attempted computer programming Just want an easy to read quick learning guide to get right into programming when your done Want to discuss in depth SQL and Database language How about SQL Syntax Clauses and Statements How about a bonus on content on PHP [**MySQL Cookbook**](#) Sveta Smirnova,Alkin Tezuyosal,2022-08-02 For MySQL the price of popularity comes with a flood of questions from users on how to solve specific data related issues That s where this cookbook comes in When you need quick solutions or techniques this handy resource provides scores of short focused pieces of code hundreds of worked out examples and clear concise explanations for programmers who don t have the time or expertise to resolve MySQL problems from scratch In this updated fourth edition authors Sveta Smirnova and Alkin Tezuyosal provide more than 200 recipes that cover powerful features in both MySQL 5 7 and 8 0 Beginners as well as professional database and web developers will dive into topics such as MySQL Shell MySQL replication and working with JSON You ll learn how to

Connect to a server issue queries and retrieve results Retrieve data from the MySQL Server Store retrieve and manipulate strings Work with dates and times Sort query results and generate summaries Assess the characteristics of a dataset Write stored functions and procedures Use stored routines triggers and scheduled events Perform basic MySQL administration tasks Understand MySQL monitoring fundamentals

MYSQL FOR DATA ANALYST AND DATA SCIENTIST WITH

PYTHON GUI Vivian Siahaan, Rismon Hasiholan Sianipar, 2022-07-06 In this project we will use the BikeStores database as a MySQL sample database to help you work with MySQL quickly and effectively The stores table includes the store s information Each store has a store name contact information such as phone and email and an address including street city state and zip code The staffs table stores the essential information of staffs including first name last name It also contains the communication information such as email and phone A staff works at a store specified by the value in the store_id column A store can have one or more staffs A staff reports to a store manager specified by the value in the manager_id column If the value in the manager_id is null then the staff is the top manager If a staff no longer works for any stores the value in the active column is set to zero The categories table stores the bike s categories such as children bicycles comfort bicycles and electric bikes The products table stores the product s information such as name brand category model year and list price Each product belongs to a brand specified by the brand_id column Hence a brand may have zero or many products Each product also belongs a category specified by the category_id column Also each category may have zero or many products The customers table stores customer s information including first name last name phone email street city state zip code and photo path The orders table stores the sales order s header information including customer order status order date required date shipped date It also stores the information on where the sales transaction was created store and who created it staff Each sales order has a row in the sales_orders table A sales order has one or many line items stored in the order_items table The order_items table stores the line items of a sales order Each line item belongs to a sales order specified by the order_id column A sales order line item includes product order quantity list price and discount The stocks table stores the inventory information i e the quantity of a particular product in a specific store In this project you will write Python script to create every table and insert rows of data into each of them You will develop GUI with PyQt5 to each table in the database You will also create GUI to plot case distribution of order date by year quarter month week day and hour the distribution of amount by year quarter month week day and hour the distribution of bottom 10 sales by product top 10 sales by product bottom 10 sales by customer top 10 sales by customer bottom 10 sales by category top 10 sales by category bottom 10 sales by brand top 10 sales by brand bottom 10 sales by customer city top 10 sales by customer city bottom 10 sales by customer state top 10 sales by customer state average amount by month with mean and EWM average amount by every month amount feature over June 2017 amount feature over 2018 and all amount feature

Using MySQL Databases with Python John Elder, 2019

Learn the MySql Database with Python the fast and easy way About This Video Learn to use MySQL databases with Python

Get to grips with adding sorting and pulling specific data In Detail Today databases are highly valued as they allow users to effectively manage access and update data MySQL is one of the most popular databases and has a wide variety of applications in e commerce data warehousing and website management When combined with Python one of the most popular and powerful programming languages today you ll be able to manage data efficiently and systematically In this course you ll get started by understanding the basics of using MySQL with Python You ll learn how to install MySQL and Python before going on to develop databases In addition to this you ll explore the technique of creating tables for safely storing data The course will then guide you on how to add sort and retrieve data through functions such as INSERT ORDER BY and SELECT As you progress you ll be equipped with the knowledge of inserting a single record as well as multiple records into a table Toward the end you will discover clauses such as WHERE and LIKE and later learn to update records By the end of this course you will have learned how to confidently use Python with MySQL for your database management needs Downloading the example code for this course You can download the example code files for this course on GitHub at the following link <https://github.com/PacktPublishing/Using-MySQL-Databases-With-Python> If you require support please email customercare@packt.com

Jump Start MySQL Timothy Boronczyk, 2015-04-13 Get a Jump Start on working with MySQL today MySQL is an extremely popular open source relational database management system that powers many of the applications on the Web Discover why MySQL's speed ease of use and flexibility make it the database of choice for so many developers In just one weekend with this hands on tutorial you ll learn how to Get started with MySQL Store modify and retrieve data Work with multiple tables Connect to your database through code Program the database Back up your data

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