

update and delete data Solve real world problems related to data Recover your data from disaster Table of Contents A Basic Vocabulary of Database Design & SQL The E-commerce Site Case Study Installing SQL Tools Converting a logical data model into a physical database Manipulating Data Retrieving Static Data without a Table Retrieving All Rows from a Table Retrieving subset of rows from a table Summarizing Retrieved Rows from a Table Retrieving and Summarizing Data from Multiple Tables Using Inner Join Retrieving and summarizing data from multiple tables using Outer Join Retrieving and Summarizing Data from Multiple Tables Using UNION Working with Views Comparing Data Between Rows Within the Same Table or Result Set Using Self-Join Working with Flow-control Statements Working with Stored Procedures Working with Triggers Improving query performance using indexes Backing up and restoring a database Appendix A Solutions to the Practice Business Problems

Essential Skills--Made Easy! Learn how to create data models that allow complex data to be analyzed, manipulated, extracted, and reported upon accurately. *Data Modeling: A Beginner's Guide* teaches you techniques for gathering business requirements and using them to produce conceptual, logical, and physical database designs. You'll get details on Unified Modeling Language (UML), normalization, incorporating business rules, handling temporal data, and analytical database design. The methods presented in this fast-paced tutorial are applicable to any database management system, regardless of vendor. Designed for Easy Learning Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter Ask the expert--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show you how to apply your skills Notes--Extra information related to the topic being covered Self Tests--Chapter-ending quizzes to test your knowledge Andy Oppel has taught database technology for the University of California Extension for more than 25 years. He is the author of *Databases Demystified*, *SQL Demystified*, and *Databases: A Beginner's Guide*, and the co-author of *SQL: A Beginner's Guide, Third Edition*, and *SQL: The Complete Reference, Third Edition*.

Do you want to master the era of data economy? Do you want to learn the top programming languages for data science? If yes, then keep reading! One of the core elements of economic growth in the twenty-first century is the data economy. We are all required to educate ourselves about a paradigm that represents only the very beginning of a genuine industrial revolution, this time driven by data. Data we generate, store, share, analyze, data that describes us, pinpoints where we are, reveals our tastes and preferences, our opinions and also those of our network of family and friends. Data has become a crucial input for any economic process. There is more data being produced daily these days than there was ever produced in even the past centuries! In such a scenario, Data Science is obviously a very popular field as it is important to analyze and process this data to obtain useful insights. According to an IBM report published on Forbes, data science has been ranked the best job in tech for the last 3 years. But in order to be able to assess and analyze the data gathered, you need the best data science tools and skills. In this beginners and practical guide, you are going to learn the best programming language for data science in 2020, the mostly used by other data scientists and that employers are constantly looking. This is a complete guide, with 4 Books in 1: Python crash course Python for data analysis Java programming for beginners SQL for beginners Python is one of the best programming languages for data science because of its capacity for statistical analysis, data modeling, and easy readability. Another reason for this huge success of Python in Data Science is its extensive library support for data science and analytics. There are many Python libraries that contain a host of functions, tools, and methods to manage and analyze data. Each of these libraries has a particular focus with some libraries managing image and textual data, data mining, neural networks, data visualization, and so on. Java is one of the oldest languages used for enterprise development. Most of the popular Big Data frameworks/tools on the likes of Spark, Flink, Hive, Spark and Hadoop are written in Java. It has a great number of libraries and tools for Machine Learning and Data Science. Some of them being to solve most of your ML or data science problems. SQL is a language specifically created for managing and retrieving the data stored in a relational database management system. This language is extremely important for data science as it deals primarily with data. The main role of data scientists is to convert the data into actionable insights and so they need SQL to retrieve the data to and from the database when required. There are many popular SQL databases that data scientists can use such as SQLite, MySQL, Oracle and Microsoft SQL Server. BigQuery, in particular, is a data warehouse that can manage data analysis over petabytes of data and enable super fast SQL queries. Each of these languages come with their benefits, often offering better and faster results when compared with others. The domain of Data Science is exceedingly vast and can often demand a different set of tools for various tasks. Equipping yourself with more than one programming language can guarantee to help you overcome unique challenges while dealing with the data. If you are a budding Data Scientist, you should start with the programming languages mentioned above as they are the most in-demand languages right now. Ready to get started? Click the BUY NOW button!

This best-seller introduces readers to structural equation modeling (SEM) so they can conduct their own analysis and critique related research. Noted for its accessible, applied approach, chapters cover basic concepts and practices and computer input/output from the free student version of Lisrel 8.8 in the examples. Each chapter features an outline, key concepts, a summary, numerous examples from a variety of disciplines, tables, and figures, including path diagrams, to assist with conceptual understanding. The book first reviews the basics of SEM, data entry/editing, and correlation. Next the authors highlight the basic steps of SEM: model specification, identification, estimation, testing, and modification, followed by issues related to model fit and power and sample size. Chapters 6 through 10 follow the steps of modeling using regression, path, confirmatory factor, and structural equation models. Next readers find a chapter on reporting SEM research including a checklist to guide decision-making, followed by one on model validation. Chapters 13 through 16 provide examples of various SEM model applications. The book concludes with the matrix approach to SEM using examples from previous chapters. Highlights of the new edition include: A website with raw data sets for the book's

examples and exercises so they can be used with any SEM program, all of the book's exercises, hotlinks to related websites, and answers to all of the exercises for Instructor's only New troubleshooting tips on how to address the most frequently encountered problems Examples now reference the free student version of Lisrel 8.8 Expanded coverage of advanced models with more on multiple-group, multi-level, & mixture modeling (Chs. 13 & 15), second-order and dynamic factor models (Ch. 14), and Monte Carlo methods (Ch. 16) Increased coverage of sample size and power (Ch. 5) and reporting research (Ch. 11) New journal article references help readers better understand published research (Chs. 13 – 17) and 25 % new exercises with answers to half in the book for student review. Designed for introductory graduate level courses in structural equation modeling or factor analysis taught in psychology, education, business, and the social and healthcare sciences, this practical book also appeals to researchers in these disciplines. An understanding of correlation is assumed. To access the website visit the book page or the Textbook Resource page at <http://www.psypress.com/textbook-resources/> for more details.

Oracle ADF 11gR2 Development Beginner's Guide will cover the basics of Oracle ADF 11g development and will then work through more complex topics as the reader gains more skills. This book will follow a tutorial approach with the content and tasks getting more advanced throughout. This book is intended for beginners who know a little about Java programming and would like to learn how to develop rich web applications using the Oracle Application Development Framework.

From ATMs to the personal finance, online shopping to networked information management, databases permeate every nook and cranny of our highly-connected, information-intensive world. Databases have become so integral to the business environment that, nowadays, it's next to impossible to stay competitive without the assistance of some sort of database technology—no matter what type or size of business you run. But developing your own database can be very tricky. In fact, whether you want to keep records for a small business or run a large e-commerce website, developing the right database system can be a major challenge. Which is where this friendly guide comes in. From data modeling methods and development tools to Internet accessibility and security, Database Development For Dummies shows you, step-by-step, everything you need to know about building a custom system from the ground up. You'll discover how to: Model data accurately Design a reliable functional database Deliver robust relational databases on time and on budget Build a user-friendly database application Put your database on the Web In plain English, author Allen Taylor acquaints you with the most popular data modeling methods, and he shows you how to systematically design and develop a system incorporating a database and one or more applications that operate on it. Important topics he explores include: Understanding database architecture and how it has evolved Recognizing how database technology affects everyday life Using a structured approach to database development Creating an appropriate data model Developing a reliable relational design Understanding the complexities you're likely to encounter in designing a database and how to simplify them Implementing your design using Microsoft Access 2000, SQL Server and other powerful database development tools Keeping your database secure Putting your database on the Internet Today's powerful, low-cost database development tools make it possible for virtually anybody to create their own database. Get Database Development For Dummies and discover what it takes to design, develop and implement a sophisticated database system tailored to you and your company's current and future data storage and management needs.

Unlike popular belief, Data Warehouse is not a single tool but a collection of software tools. A data warehouse will collect data from diverse sources into a single database. Using Business Intelligence tools, meaningful insights are drawn from this data. The best thing about "Learn Data Warehousing in 1 Day" is that it is small and can be completed in a day. With this e-book, you will be enough knowledge to contribute and participate in a Data warehouse implementation project. The book covers upcoming and promising technologies like Data Lakes, Data Mart, ELT (Extract Load Transform) amongst others. Following are detailed topics included in the book Table content Chapter 1: What Is Data Warehouse? What is Data Warehouse? Types of Data Warehouse Who needs Data warehouse? Why We Need Data Warehouse? Data Warehouse Tools Chapter 2: Data Warehouse Architecture Characteristics of Data warehouse Data Warehouse Architectures Datawarehouse Components Query Tools Chapter 3: ETL Process What is ETL? Why do you need ETL? ETL Process ETL tools Chapter 4: ETL Vs ELT What is ETL? Difference between ETL vs. ELT Chapter 5: Data Modeling What is Data Modelling? Types of Data Models Characteristics of a physical data model Chapter 6: OLAP What is Online Analytical Processing? Types of OLAP systems Advantages and Disadvantages of OLAP Chapter 7: Multidimensional Olap (MOLAP) What is MOLAP? MOLAP Architecture MOLAP Tools Chapter 8: OLAP Vs OLTP What is the meaning of OLAP? What is the meaning of OLTP? Difference between OLTP and OLAP Chapter 9: Dimensional Modeling What is Dimensional Model? Elements of Dimensional Data Model Attributes Difference between Dimension table vs. Fact table Steps of Dimensional Modelling Rules for Dimensional Modelling Chapter 10: Star and Snowflake Schema What is Multidimensional schemas? What is a Star Schema? What is a Snowflake Schema? Difference between Start Schema and Snowflake Chapter 11: Data Mart What is Data Mart? Type of Data Mart Steps in Implementing a Datamart Chapter 12: Data Mart Vs Data Warehouse What is Data Warehouse? What is Data Mart? Differences between a Data Warehouse and a Data Mart Chapter 13: Data Lake What is Data Lake? Data Lake Architecture Key Data Lake Concepts Maturity stages of Data Lake Chapter 14: Data Lake Vs Data Warehouse What is Data Warehouse? What is Data Lake? Key Difference between the Data Lake and Data Warehouse Chapter 15: What Is Business Intelligence? What is Business Intelligence Why is BI important? How Business Intelligence systems are implemented? Four types of BI users Chapter 16: Data Mining What is Data Mining? Types of Data Data Mining Process Modelling

This book is a step by step beginners guide to learning Cassandra. The book uses tons of charts, graphs, images and code to aid your Cassandra learning. The book gives a detailed introduction to Cassandra. It proceeds to give step-by-step instructions to installing Cassandra. Cassandra Architecture and Replication Factor Strategy is lucidly explained. Data Modelling, Keyspace CQL are also described in detail. The book will teach you enough to get started with Cassandra. Here is what is included Chapter 1: Introduction Cassandra History Nosql Cassandra Database Nosql Cassandra Database Vs Relational databases Apache Cassandra Features Cassandra Use Cases Chapter 2: Download and Install Prerequisite for Apache Cassandra Installation How to Download and Install Cassandra Chapter 3: Architecture Components of Cassandra Data Replication Write Operation Read Operation Chapter 4: Data Model and Rules Cassandra Data Model Rules Model Your Data in Cassandra Handling One to One Relationship Handling one to many Relationship Handling Many to Many Relationship Chapter 5: Cassandra CQL Create, Alter & Drop Keyspace Cassandra Table: Create, Alter, Drop & Truncate Cassandra Query Language(CQL): Insert, Update, Delete, Read Data Create & Drop INDEX Data Types & Expiration SET, LIST & MAP Chapter 6: Cassandra

Cluster Prerequisites for Cassandra Cluster Enterprise Edition Installation Starting Cassandra Node Chapter 7: DevCenter & OpsCenter Installation DevCenter Installation OpsCenter Installation Chapter 8: Security What is Internal Authentication and Authorization Configure Authentication and Authorization Logging in Create New User Authorization Configuring Firewall Enabling JMX Authentication ???Download Free - For Kindle Unlimited Subscribers!???

Most organizations and businesses use Excel to perform data analysis. These organizations also use it for modeling. There are numerous features and add-ins that Excel offers which make it easier to perform data analysis and modeling. A Pivot Table is one such feature provided by Excel. You can analyze a million rows of data within a few clicks, show the required results, create a pivot chart or report, drag the necessary fields around and highlight the necessary information. It is imperative that people who use excel are well versed with using pivots. If you are looking to learn more about what a pivot table is and how you can use it for data analysis, you have come to the right place. Over the course of the book, you will learn more about what a Pivot Table: Insert A Pivot Table Drag Fields In A Pivot Sort Data In A Pivot Working With Tables Focus On Auditing The Data Refreshing The Pivot Accessing The Data Source Data Fields And many more.... If you have been looking forward to learning Excel Pivot Tables, grab a copy of this book today to help you begin your journey. What are you waiting for? This fully revised, self-paced learning tool lays out all the necessary steps to quickly and easily start writing SQL programs Thoroughly updated to reflect the most recent ANSI/ISO standard, SQL: A Beginner's Guide, Fourth Edition will get you up-and-running with SQL programming right away. Clear tutorials, annotated code, and proven instructional tools guide you to easily performing queries and modifications, building databases, creating and reviewing embedded statements, troubleshooting system- and data-related problems, and much more. You will learn how to retrieve, insert, update, and delete database data, and perform management and administrative functions. The book also covers new features, including SQL/XML and the long-awaited temporal support. Code examples are provided throughout along with notes on using them with the latest RDBMS software versions such as MySQL 5.7, SQL Server 2014, and Oracle Database 12c. Platform-neutral coverage; all skills can be applied to any database product, and any SQL version Features hands-on exercises and self-tests that reinforce basic knowledge "Ask the Expert" sections throughout are filled with bonus information and useful tips

PHP This! is a beginners book for developers who are new to object oriented PHP web development. This goal of PHP This! is to teach the PHP skills needed to be a junior PHP developer. These skills include an introduction to object oriented PHP theory and instruction on how to apply that theory to build a full custom MVC application, unit testing with PHPUnit and code management with SVN. The instruction provided by this book also applies to experienced software engineers with expertise in other languages who have not had the opportunity yet to learn object oriented PHP or to those who are new to web development altogether. Object Oriented concepts can be confusing at first that is why PHP This! provides a simple way to explain a confusing subject. The clear explanations and examples will quickly teach you what Object Oriented PHP is and how to use it, test it and manage it. Some key chapters and subjects include: Chapter 1: Why Read This Book Sample Job Description: Jr. PHP Developer The Eight Primary Categories of JQuery Features Why Learn Object Oriented PHP Six Primary Advantages to Learning Object Oriented Programming Chapter 2: PHP Objects & Classes Overview - The Confusion of First Learning Object Oriented Theory Explanation of a Class Explanation of an Object Instantiation \$this Variable Access Modifiers Inheritance Method Overriding Invoking Parent Methods Horizontal Inheritance - Using Traits Encapsulation Polymorphism Polymorphism vs. Method Overloading Polymorphism vs. Method Overriding Late Binding / Dynamic Binding Chapter 3: PHP Magic Methods Chapter 4: Abstract Classes & Methods abstract Keyword Extending sub-classes from an Abstract Base Class Abstract Methods final Keyword Chapter 5: Interfaces PHP Interfaces Explanation of What Interfaces Are and Why They are Useful interface & implements Keywords Implementing Multiple Interfaces Programming to the Interface Design-by-Contract Chapter 6: Static Methods & Properties The static Modifier The Scope Resolution Operator Static Properties Static Methods Singleton Pattern Late Static Binding The static Keyword vs. the self Keyword Chapter 7: PHP Error Control & Exception Handling The Built-in Exception Class Throwing an Exception The try-catch-finally Block Setting the Desired Error Sensitivity Level Setting Error Reporting 67 Error Reporting Sensitivity Levels Logging Options Chapter 8: The Model-View-Controller Design Pattern Understanding the Model-View-Controller Design Pattern Model View Controller The MCV URL Structure & URL Mapping Using the .htaccess File The index.php File The MVC Folder Structure Custom MVC Application - Restaurant Menu Management Application Showing the Menu Adding a Menu Item Assigning a Menu Item to a Menu Editing/Deleting Menu Items Download the Source Code for the Custom MVC Application (Restaurant Menu Management Application)

I want to keep this book simple and easy. I don't beat around the bush. If you are tired of reading 400 page documents then this book is for you. I am writing this book keeping Beginners in the mind. This book will cover the topics that would be requiring for a beginner to excel.If you are already familiar with Data Modeling then this book might not be useful for you.We are in an age of Data. Corporations make money from data that they collect from us. We are collecting more data in a day than we collected year 20 years ago. We need better Data Model to analyze this Exabyte of Data. One reason, any Data Warehouse projects fail is because of the bad Data Model.1. Not enough time spent in understanding and analyzing business requirements.2. Not building scalable Models3. Lack of Data Quality and Integrity4. One size fits all Mentality

Leverage the power of PostgreSQL 10 to build powerful database and data warehousing applications. About This Book Be introduced to the concept of relational databases and PostgreSQL, one of the fastest growing open source databases in the world Learn client-side and server-side programming in PostgreSQL, and how to administer PostgreSQL databases Discover tips on implementing efficient database solutions with PostgreSQL 10 Who This Book Is For If you're interested in learning more about PostgreSQL - one of the most popular relational databases in the world, then this book is for you. Those looking to build solid database or data warehousing applications with PostgreSQL 10 will also find this book a useful resource. No prior knowledge of database programming or administration is required to get started with this book. What You Will Learn Understand the fundamentals of relational databases, relational algebra, and data modeling Install a PostgreSQL cluster, create a database, and implement your data model Create tables and views, define indexes, and implement triggers, stored procedures, and other schema objects Use the Structured Query Language (SQL) to manipulate data in the database Implement business logic on the server side with triggers and stored procedures using PL/pgSQL Make use of advanced data types supported by PostgreSQL 10: Arrays, hstore, JSONB, and others Develop OLAP database solutions using the most recent features of PostgreSQL 10 Connect your Python applications to a PostgreSQL database and work with the data efficiently Test your database code, find bottlenecks, improve performance, and enhance the reliability of the database applications In Detail PostgreSQL is one of the most popular open source databases in the world, and supports the most advanced features included in SQL standards and beyond. This book will familiarize you with the latest new features released in PostgreSQL 10, and get you up and running with building efficient PostgreSQL database solutions from scratch. We'll start with the concepts of relational databases and their core principles. Then you'll get a thorough introduction to PostgreSQL and the new features introduced in PostgreSQL 10. We'll cover the Data Definition Language (DDL) with an emphasis on PostgreSQL, and the common DDL commands supported by ANSI SQL. You'll learn to create tables, define integrity constraints, build indexes, and set up views and other schema objects. Moving on, you'll get to know the concepts of Data Manipulation Language (DML) and PostgreSQL server-side programming capabilities using PL/pgSQL. This will give you a very robust background to develop, tune, test, and troubleshoot your database application. We'll also explore the NoSQL capabilities of PostgreSQL and connect to your PostgreSQL database to manipulate data objects. By the end of this book, you'll have a thorough understanding of the basics of PostgreSQL 10 and will have the necessary skills to build efficient database solutions. Style and approach This book is a comprehensive beginner level tutorial on PostgreSQL and introduces the features of

the newest version 10, along with explanation of concepts in a very easy to understand manner. Practical tips and examples are provided at every step to ensure you are able to grasp each topic as quickly as possible.

Carlis (computer science, U. of Minnesota) and Maguire a program manager for Microsoft, explain to information systems analysts and database developers how to become a successful data modeler. Using their own Logical Data Structure for the data modeling notation, they describe in detail the process for collecting, modeling, and documenting data structures and flow. They also analyze all data shapes and provide several recipes for applying them. They provide no bibliographic references. Annotation copyrighted by Book News, Inc., Portland, OR

Want to begin programming but don't know where to start? Aiming to realize your own software? Aspiring to be one of the recognized programmers and understand more on data management and analysis? If you want to realize your own ideas and projects then programming can be the best tool for you. Just need a computer, a desk and you're ready to start. In order to become a skilled programmer, you need a step-by-step guide to walk you through downloading, installing the proper software and learn Python basics. Then practicing a specific set of exercises is essential to deeply understand how to develop your own projects. And that's what you'll learn in Python Coding. Inside You Will Find: Definition and more in-depth understanding of Python programming language in computing The history, features, versions, and application of Python programs Different ways of downloading and installing Python on various operating systems Python variables including the definition of critical terms and the naming of different variables Types of variables and data variables in Python Computer data management and analysis Structures of database management systems, data modeling, integration, and storage Phases of data analysis of both qualitative and quantitative methods of analyzing data... And more... It does not matter how deep you are with programming or if you are venturing into Python for the first time. This book starts from the basics to bring you to a proficient level. Applying your knowledge while learning you will realize your first software by the end of the book. Would You Like To Know More? Download now to start realizing your own ideas in Python in just 4 weeks. Scroll up and click the buy now button.

This book will get you up and running with building efficient relational database solutions right from scratch with the newest features of PostgreSQL 11. You will learn the end-to-end working of relational databases and how to work with database structures. You will also be able to write essential SQL statements, perform data manipulation and ...

Primer into the multidisciplinary world of Data Science KEY FEATURES - Explore and use the key concepts of Statistics required to solve data science problems - Use Docker, Jenkins, and Git for Continuous Development and Continuous Integration of your web app - Learn how to build Data Science solutions with GCP and AWS DESCRIPTION The book will initially explain the What-Why of Data Science and the process of solving a Data Science problem. The fundamental concepts of Data Science, such as Statistics, Machine Learning, Business Intelligence, Data pipeline, and Cloud Computing, will also be discussed. All the topics will be explained with an example problem and will show how the industry approaches to solve such a problem. The book will pose questions to the learners to solve the problems and build the problem-solving aptitude and effectively learn. The book uses Mathematics wherever necessary and will show you how it is implemented using Python with the help of an example dataset. WHAT WILL YOU LEARN - Understand the multi-disciplinary nature of Data Science - Get familiar with the key concepts in Mathematics and Statistics - Explore a few key ML algorithms and their use cases - Learn how to implement the basics of Data Pipelines - Get an overview of Cloud Computing & DevOps - Learn how to create visualizations using Tableau WHO THIS BOOK IS FOR This book is ideal for Data Science enthusiasts who want to explore various aspects of Data Science. Useful for Academicians, Business owners, and Researchers for a quick reference on industrial practices in Data Science. TABLE OF CONTENTS 1. Data Science in Practice 2. Mathematics Essentials 3. Statistics Essentials 4. Exploratory Data Analysis 5. Data preprocessing 6. Feature Engineering 7. Machine learning algorithms 8. Productionizing ML models 9. Data Flows in Enterprises 10. Introduction to Databases 11. Introduction to Big Data 12. DevOps for Data Science 13. Introduction to Cloud Computing 14. Deploy Model to Cloud 15. Introduction to Business Intelligence 16. Data Visualization Tools 17. Industry Use Case 1 – FormAssist 18. Industry Use Case 2 – PeopleReporter 19. Data Science Learning Resources 20. Do It Your Self Challenges 21. MCQs for Assessments

Ralph Kimball invented a data warehousing technique called ?dimensional modelling? and popularised it in his first Wiley bestseller The Data Warehouse Toolkit. Since then dimensional modelling has become the most widely accepted technique for data warehouse design. Since the first edition, Kimball has improved on his earlier techniques and created many new ones. In this second edition, he provides a comprehensive collection of all of them, from basic to advanced, and strategies for optimising data warehouse design for common business applications. He includes examples for retail sales, inventory management, procurement, orders and invoices, customer relationship management, accounting, financial services, telecommunication and utilities, health care, insurance and more. He also presents unique modelling techniques for e-commerce and shows strategies for optimising performance. A companion Web site provides updates on dimensional modelling techniques, links to related sites and source code where appropriate.

Essential Skills--Made Easy! Written to the SQL:2006 ANSI/ISO standard, this easy-to-follow guide will get you started programming in SQL right away. You will learn how to retrieve, insert, update, and delete database data, and perform management and administrative functions. SQL: A Beginner's Guide, Third Edition covers new features, including SQL/XML, and is loaded with updated SQL examples along with notes on using them with the latest RDBMS software versions such as MySQL 5.0, SQL Server 2008, and Oracle Database 11g. Designed for Easy Learning: Key Skills & Concepts--Lists of specific skills covered in the chapter Ask the Experts--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show how to apply your skills Notes--Extra information related to the topic being covered Self-Tests--Chapter-ending quizzes to test your knowledge Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated

This textbook on Python 3 explains concepts such as variables and what they represent, how data is held in memory,

how a for loop works and what a string is. It also introduces key concepts such as functions, modules and packages as well as object orientation and functional programming. Each section is prefaced with an introductory chapter, before continuing with how these ideas work in Python. Topics such as generators and coroutines are often misunderstood and these are explained in detail, whilst topics such as Referential Transparency, multiple inheritance and exception handling are presented using examples. A Beginners Guide to Python 3 Programming provides all you need to know about Python, with numerous examples provided throughout including several larger worked case studies illustrating the ideas presented in the previous chapters.

Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

Essential Database Skills--Made Easy! Learn standard database design and management techniques applicable to any type of database. Featuring clear examples using both Microsoft Access and Oracle, Databases: A Beginner's Guide begins by showing you how to use Structured Query Language (SQL) to create and access database objects. Then, you'll discover how to implement logical design using normalization, transform the logical design into a physical database, and handle data and process modeling. You'll also get details on database security, online analytical processing (OLAP), connecting databases to applications, and integrating XML and object content into databases. Designed for Easy Learning Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter Ask the Expert--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show you how to apply your skills Notes--Extra information related to the topic being covered Self Tests--Chapter-ending quizzes to test your knowledge

A handy reference guide explaining core concepts of Oracle HCM Cloud Application. All the worked out examples have been performed in a SaaS Deployment but very well applies for an On-Premise or Hybrid Deployment Model too. Topics include HCM Data Loader, HCM Spreadsheet Data Loader, HCM Extracts, BI Publisher Reports, OTBI Analysis, Web-Services, Developer Connect, Functional Setup Manager, Personalization, Customization, Absence Management, Fast Formulas, Scheduled Processes, Value-Sets, Profile Options, Lookups, Approval Workflows, Notifications, Rest API

Absolute Beginner's Guide to Databases brings the elements of a database together using easy to understand language, perfect for the true beginner. It not only gives specific hands on practice, but also provides an overview of designing, maintaining and using a database. This book covers what databases are used for, why databases are important, why the design of the database is important, database normalization, keys to solid database design, differences in types of databases, and indexes--what they are, how we use them, and why they are important.

This book will introduce you to the digital world. Data science is one of the most amazing and trending fields in the digital era. Data science is what makes us humans what we are today. Not limited to computer-driven technologies, this book will guide you to visualize the digital facts and connections of our brain with data science, how to draw conclusions from simple information, and how to develop patterns for understanding different solutions for a similar problem. But our brains can only take us so far when it comes to raw computing. Our brains can't keep up with the amount of data we can capture, and with the extent of our curiosity. So we turned towards machines that are able to capture and store terabytes of information and to do part of the work for us, like recognizing patterns, creating connections, and supplying us with accurate results. Data science is a field where you will be able to get to learn every modern technique. Keeping in mind all these facts, we thought of writing this book targeting the data science beginner. This book provides an overview of data science, teaching you: -What is data science, and how it has emerged-What are the responsibilities of a data scientist and the fundamentals of data science-Overall process with the life cycle of data science-How data science tools, like statistics, probability, etc. -Help to draw insights from data-Basic concept about data modeling, and featurization-How to work with data variables and data science tools-How to visualize the data-How to work with machine learning algorithms and Artificial Neural Networks-Concepts of decision trees and cloud computing. We have included everything a beginner needs to venture into the data science world. Don't waste another second. Now is your chance to get started!

"Learn how to create data models that allow complex data to be analyzed, manipulated, extracted, and reported upon accurately. Data Modeling: A Beginner's Guide teaches you techniques for gathering business requirements and using them to produce conceptual, logical, and physical database designs. You'll get details on Unified Modeling Language (UML), normalization, incorporating business rules, handling temporal data, and analytical database design. The methods presented in this fast-paced tutorial are applicable to any database management system, regardless of vendor.

Are you a developer who is looking forward to learning how to easily query and update data? Are you someone who is looking forward to continuing your expertise in Database administration? The truth is: A lot of tech enthusiasts trying to develop web and mobile applications are not aware of the most important means of storing and modifying data. If you are a programmer you should be aware that data is the essential entity for the success of applications and database query languages are necessary for easy manipulation of data. But are you confused about choosing a query language for your applications? Don't panic because we provide you with a solution in the form of SQL. SQL is one of the most famous database query languages that have taken over almost three-fourths of the internet. The reason for its excellent adaptability is its simplicity. It is also a well-learned language that can increase database optimization capabilities. Learning SQL is a must for any developer nowadays. You can even continue your career as a database administrator if things turn out well in your learning curve. But a lot of enthusiast programmers often backup during the initial learning process due to a bad guide or reference book they will catch up on usually. But don't worry now because you are on the right hands looking at one of the best SQL programming books available in the market that is concise and practical at the same time. Download now "SQL FOR BEGINNERS" (The simplified beginner's guide, to learn and understand SQL language computer programming, data analytics, database design, and server. Including basic project and exercise) by Matthew Python! SQL has a lot of sub-topics to be learned and dealt with care. While learning SQL it is important to practice the code and SQL DDL statements that come with it. A good guide for SQL should provide not only layman explanations but also an idea of practical project experience. The goal of this book is simple: Matthew Python want to help beginners learn the functionalities of SQL in a very easy guide that covers all the topics but also serving as a reference for already experienced programmers. Matthew Python provide in this book layman explanations to all the SQL concepts that are necessary for becoming an efficient database administrator. Teaching SQL is our passion because it can help us develop enthusiast software professionals who can curate the messed up data available all over. You Will Also Learn: What is SQL? What is a Relational Database? What are Data Definition Languages? What is Advanced Join Queries? What are the views and how to update them? Database Security model Recovery models Backup techniques How to select data? How to update and delete data? What are stored routines in general? A brief explanation about control flow tools A comprehensive guide for functions (Both system and user-made) A brief look at some of the projects Would you like to know more? Are you excited to learn more about this query language? Then what are you waiting for? Go and download this book and start developing database applications within no time. Scroll to the top of the page and select the

buy now button to get "SQL FOR BEGINNERS"

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