

Mysql Workbench Data Modeling Development Oracle Press

Data Modeling Tutorial | MySQL Workbench | MySQL For Beginners Create ER Diagram of a Database in MySQL Workbench How to model database using MySQL Workbench What is Data Modelling? Beginner's Guide to Data Models and Data Modelling Tutorial: Use MySQL Workbench Diagrammer for Data Modeling How to Make and Use an ERD/EER Diagram in MySQL Workbench Data Modeling - 1 | MySQL For Beginners | Tutorial #4 How to Generate an ERD in MySQL Workbench Database Design All-in-One Tutorial Series (8 HOURS!) Introduction to MySQL Workbench How to Create Database and tables in MySQL Workbench (Part-4) #codefree Data Modeling in the Modern Data Stack Database Engineering Complete Course | DBMS Complete Course 3 most common data modeling interview questions How to Create a Database, Add Tables and Import Data in MySQL Workbench Mapping an ER Diagram to Database Design in MySQL (higher quality) SQL Tutorial for Beginners [Full Course] BASIC CONCEPTS \u0026 RELATIONSHIPS IN DATABASE Part-1 | MYSQL How to Install MySQL on Ubuntu/Linux | Configure MySQLWorkbench | Basic Queries MySQL 5 Tutorial | MySQL Workbench Data Modeling Intro Generating DB Schema in 10 seconds with MySQL Workbench MySQL Workbench Model and Forward Engineering Database Design Course - Learn how to design and plan a database for beginners Data Modelling Overview How to create new Database and Table in MySQL Workbench MySQL Crash Course | Learn SQL Conceptual, Logical \u0026 Physical Data Models How to create ER Diagram in MySQL Workbench Database Modelling: How MySQL Workbench works?

MySQL High Availability

Computational Science and Its Applications -- ICCSA 2015

Advanced Research in Technologies, Information, Innovation and Sustainability

Web Hosting For Dummies

Introducing MySQL Shell

Learning MySQL

Developing Windows-Based and Web-Enabled Information Systems

15th International Conference, Banff, AB, Canada, June 22-25, 2015, Proceedings, Part IV

Mastering MySQL for Web

Web Engineering

Expert PHP and MySQL

First International Conference, ARTIIS 2021, La Libertad, Ecuador, November 25-27, 2021, Proceedings

Concepts, Methodologies, Tools, and Applications

Mastering Python for Web

Pentaho Kettle Solutions

Intelligent Techniques for Data Science

Database Concepts

The MODAClouds Approach

Murach's MySQL

A Pragmatic Approach

Introducing InnoDB Cluster

*MySQL Workbench Data Modeling
Development Oracle Press*

OMB No. 0235596114837 edited by

TURNER HEAVEN

MySQL High Availability John Wiley & Sons

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

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 Understanding the Model-View-Controller Design Pattern Model
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 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)

Computational Science and Its Applications -- ICCSA 2015 Packt Publishing Ltd

The five-volume set LNCS 9155-9159 constitutes the refereed proceedings of the 15th International Conference on Computational Science and Its Applications, ICCSA 2015, held in Banff, AB, Canada, in June 2015. The 232 revised full papers presented in 22 workshops and a general track were carefully reviewed and selected from 780 initial submissions for inclusion in this volume. They cover various areas in computational science ranging from computational science technologies to specific areas of computational science such as computational geometry and security.

Advanced Research in Technologies, Information, Innovation and Sustainability CRC Press

The only Oracle Press guide to MySQL Workbench explains how to design and model MySQL databases. MySQL Workbench Data Modeling and Development helps developers learn how to effectively use this powerful product for database modeling, reverse engineering, and interaction with the database without writing SQL statements. MySQL Workbench is a graphical user interface that can be used to create and maintain MySQL databases without coding. The book covers the interface and explains how to accomplish each step by illustrating best practices visually. Clear examples, instructions, and explanations reveal, in a single volume, the art of database modeling. This Oracle Press guide shows you how to get the tool to do what you want. Annotated screen shots demonstrate all interactions with the tool, and text explains the how, what, and why of each step. Complete coverage Installation and Configuration; Creating and Managing Connections; Data Modeling Concepts; Creating an ERD; Defining the Physical Schemata; Creating and Managing Tables; Creating and Managing Relationships; Creating and Managing Views; Creating and Managing Routines; Creating and Managing Routine Groups; Creating and Managing User & Groups; Creating and Managing SQL Scripts; Generating SQL Scripts; Forward Engineering a Data Model; Synchronize a Model with a Database; Reverse Engineering a Database; Managing Differences in the Data Catalog; Creating and Managing Model Notes; Editing Table Data; Editing Generated Scripts; Creating New Instances; Managing Import and Export; Managing Security; Managing Server Instances

WEB HOSTING FOR DUMMIES

Prentice Hall

Python for Web Python definitely tops the charts when it comes to ease of use and beginner-friendly learning curve in the world of programming languages. At the same time, Python is essential when it comes to writing system scripts, processing big data, performing mathematical computations, creating web applications, and rapid prototyping. With this Mastering edition, we have focused especially on the usage of Python for Web. This book explores Python programming fundamentals with interactive projects and introduces core coding concepts and the basics of Python-based web development. The reader should be ready to dive deep into the world of Python for web development in no time. Since Python positions itself in web development as a

back-end language, it is usually mixed with another front-end language to build a whole website. At the same time, reasons for using Python in web development are many: it is a flexible, versatile, and highly efficient programming language with dynamic typing capacity. This book helps readers to examine Python's key back-end/front-end programming techniques and guides them through implementing them when creating professional projects. Furthermore, it also focuses on teaching readers how to solve common problems and developing web services with Python frameworks such as Django and Flask. Mastering Python for Web has a goal more ambitious than simply teaching you the ropes - it aims to help you embrace and master problem solving, which could be viewed as the single most crucial skill for a coder. It offers you a focal point on starting as a beginner and growing into an expert by putting your newly acquired knowledge into practice. Programming is a hands-on skill, and this particular book helps you put your skills to test with easy-to-grasp tasks and examples. Learn more about our other Mastering titles at:

<https://www.routledge.com/Mastering-Computer-Science/book-series/MCS>

INTRODUCING MYSQL SHELL

Springer

Set up, manage, and configure the new InnoDB Cluster feature in MySQL from Oracle. If you are growing your MySQL installation and want to explore making your servers highly available, this book provides what you need to know about high availability and the new tools that are available in MySQL 8.0.11 and later. Introducing InnoDB Cluster teaches you about the building blocks that make up InnoDB Cluster such as MySQL Group Replication for storing data redundantly, MySQL Router for the routing of inbound connections, and MySQL Shell for simplified setup and configuration, status reporting, and even automatic failover. You will understand how it all works together to ensure that your data are available even when your primary database server goes down. Features described in this book are available in the Community Edition of MySQL, beginning with the version 8.0.11 GA release, making this book relevant for any MySQL users in need of redundancy against failure. Tutorials in the book show how to configure a test environment and plan a production deployment. Examples are provided in the form of a walk-through of a typical MySQL high-availability setup. What You'll Learn Discover the newest high-availability features in MySQL Set up and use InnoDB Cluster as an HA solution Migrate your existing servers to MySQL 8 Employ best practices for using InnoDB Cluster Configure servers for optimal automatic failover to ensure that applications continue when a server fails Configure MySQL Router to load-balance inbound connections to the cluster Who This Book Is For Systems engineers, developers, and database professionals wanting to learn about the powerful high availability (HA) features, beginning with MySQL 8.0.11: MySQL Shell, MySQL Router, and MySQL Group Replication. The book is useful for those designing high-availability systems backed by a database, and for those interested in open source HA solutions.

LEARNING MYSQL

Lulu.com

This book is open access under a CC BY 4.0 license. This book summarizes work being undertaken within the collaborative MODAClouds research project, which aims to facilitate interoperability between heterogeneous Cloud platforms and remove the constraints of deployment, portability, and reversibility for end users of Cloud services. Experts involved in the project provide a clear overview of the MODAClouds approach

and explain how it operates in a variety of applications. While the wide spectrum of available Clouds constitutes a vibrant technical environment, many early-stage issues pose specific challenges from a software engineering perspective. MODAClouds will provide methods, a decision support system, and an open source IDE and run-time environment for the high-level design, early prototyping, semiautomatic code generation, and automatic deployment of applications on multiple Clouds. It will free developers from the need to commit to a fixed Cloud technology stack during software design and offer benefits in terms of cost savings, portability of applications and data between Clouds, reversibility (moving applications and data from Cloud to non-Cloud environments), risk management, quality assurance, and flexibility in the development process.

Springer

Expert PHP and MySQL takes you beyond learning syntax to showing you how to apply proven software development methods to building commerce-grade PHP and MySQL projects that will stand the test of time and reliably deliver on customer needs. Developers of real-world applications face numerous problems that seem trivial on the surface, but really do take some skill to get right. Error handling is about more than just the mechanics in the PHP syntax, but also about handling MySQL errors, logging those errors, and about hiding information about application internals that error messages sometimes can expose. Meet these challenges and more head-on! Author Marc Rochkind shows how to begin a project right, with a clear contract and set of written requirements. You'll learn about project organization, setting up a solid development environment, connecting with client personnel. Database design is essential, and Expert PHP and MySQL has you covered with guidance on creating a sound model and database, and on pushing functionality into the database as appropriate; not everything should be done in PHP. Error handling is covered at both the PHP and MySQL levels. Application structure is covered. Guidance is provided on reporting. And finally there is conversion. In Expert PHP and MySQL you'll explore the following: The popular and widely used combination of PHP and MySQL Commercial-grade application of language and database features Human factors such as planning and organization Organizing a project to meet requirements and satisfy the customer Structuring an application for efficient development and future modification Coding PHP for productivity, reliability, security Generating online, downloadable, and printed reports Converting existing data to the new application

Developing Windows-Based and Web-Enabled Information Systems McGraw Hill Professional

This comprehensive reference guide offers useful pointers for advanced use of SQL and describes the bugs and workarounds involved in compiling MySQL for every system.

15TH INTERNATIONAL CONFERENCE, BANFF, AB, CANADA, JUNE 22-25, 2015, PROCEEDINGS, PART IV

CRC Press

Learn the concepts, principles, design, implementation, and management issues of databases. You will adopt a methodical and pragmatic approach to solving database systems problems. Database Systems: A Pragmatic Approach provides a comprehensive, yet concise introduction to database systems, with special emphasis on the relational database model. This book discusses the database as an essential component of a software system, as well as a valuable, mission-critical corporate resource. New in this second edition is updated SQL content covering the latest release of the Oracle Database Management System along with a reorganized sequence of the topics which is

more useful for learning. Also included are revised and additional illustrations, as well as a new chapter on using relational databases to anchor large, complex management support systems. There is also added reference content in the appendixes. This book is based on lecture notes that have been tested and proven over several years, with outstanding results. It combines a balance of theory with practice, to give you your best chance at success. Each chapter is organized systematically into brief sections, with itemization of the important points to be remembered. Additionally, the book includes a number of author Elvis Foster's original methodologies that add clarity and creativity to the database modeling and design experience. What You'll Learn Understand the relational model and the advantages it brings to software systems Design database schemas with integrity rules that ensure correctness of corporate data Query data using SQL in order to generate reports, charts, graphs, and other business results Understand what it means to be a database administrator, and why the profession is highly paid Build and manage web-accessible databases in support of applications delivered via a browser Become familiar with the common database brands, their similarities and differences Explore special topics such as tree-based data, hashing for fast access, distributed and object databases, and more Who This Book Is For Students who are studying database technology, who aspire to a career as a database administrator or designer, and practicing database administrators and developers desiring to strengthen their knowledge of database theory

Mastering MySQL for Web John Wiley & Sons

This book constitutes the refereed proceedings of the First International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability, ARTIIS 2021, held in La Libertad, Ecuador, in November 2021. The 53 full papers and 2 short contributions were carefully reviewed and selected from 155 submissions. The volume covers a variety of topics, such as computer systems organization, software engineering, information storage and retrieval, computing methodologies, artificial intelligence, and others. The papers are logically organized in the following thematic blocks: Computing Solutions; Data Intelligence; Ethics, Security, and Privacy; Sustainability.

Web Engineering Springer Nature

Step by step guide to monitor, manage, and secure your database engine Key Features Your companion to master all the administration-related tasks in MySQL 8 Ensure high performance and high availability of your MySQL solution using effective replication and backup techniques A comprehensive guide to performing query optimization, security and a whole host of other administrative tasks in MySQL 8 Book Description MySQL is one of the most popular and widely used relational databases in the world today. The recently released version 8.0 brings along some major advancements in the way your MySQL solution can be administered. This handbook will be your companion to understand the newly introduced features in MySQL and how you can leverage them to design a high-performance MySQL solution for your organization. This book starts with a brief introduction to the newly introduced features in MySQL 8, followed by quickly jumping onto the crucial administration topics that you will find useful in your day to day work. Topics such as migrating to MySQL 8, MySQL benchmarking, achieving high performance by implementing the indexing techniques, and optimizing your queries are covered in this book. You will also learn how to perform replication, scale your MySQL solution and implement effective security techniques. A special section on the common and not so common troubleshooting techniques for effective MySQL administration is also covered in this book. By the end of this highly practical book, you will have all the knowledge you

need to tackle any problem you might encounter while administering your MySQL solution. What you will learn
 Understanding different MySQL 8 data types based on type of contents and storage requirements Best practices for optimal use of features in MySQL 8 Explore globalization configuration and caching techniques to improve performance Create custom storage engine as per system requirements Learn various ways of index implementation for flash memory storages Configure and implement replication along with approaches to use replication as solution Understand how to make your MySQL 8 solution highly available Troubleshoot common issues and identify error codes while using MySQL 8 Who this book is for This book is intended for MySQL administrators who are looking for a handy guide covering all the MySQL administration-related tasks. If you are a DBA looking to get started with MySQL administration, this book will also help you. Knowledge of the basic database concepts is required to get started with this book.

Expert PHP and MySQL MySQL Workbench: Data Modeling & Development

Databases can be found in almost all software applications. Infact it's hard to find a software that doesn't use a database. SQL is the standard language to query a database. SQL stand for: Structured Query Language. SQL provides basic to advance commands to retrieve, update, delete, insert data into database. This book is designed for beginners with little or no prior database experience. Here is what you will learn: Table Of Content Chapter 1: Introduction to Database and MySQL 1. What is Data? 2. What is a database? 3. What is a Database Management System? 4. Types of DBMS 5. What is SQL? 6. What is NoSQL? Chapter 2: Install MySQL workbench 1. What is MySQL? 2. Why use MySQL? 3. Introducing MySQL Workbench 4. MySQL workbench- Modeling and Design tool 5. MySQL workbench - SQL development tool 6. Install MySQL workbench Guide Chapter 3: Introduction To Database Design 1. Why Database Design is Important? 2. Database development life cycle 3. Requirements analysis 4. Database designing 5. Implementation 6. Types of Database Techniques Chapter 4: Database Normalization 1. What is Normalization? 2. 1NF Rules 3. What is Composite Key 4. 2NF Rules 5. 3NF Rules 6. Boyce-Codd Normal Form (BCNF) Chapter 5: ER Modeling 1. What is ER Modeling? 2. Enhanced Entity Relationship (EER) Model 3. Why use ER Model? 4. Entities in the "MyFlix" library 5. Defining the relationships among entities Chapter 6: How To Create A Database 1. Create Database 2. Creating Tables MySQL 3. Data types 4. MySQL workbench ER diagram forward Engineering Chapter 7: How to use SELECT in MySQL Chapter 8: Where clause in MySQL Chapter 9: How to use INSERT Into in MySQL Chapter 10: How to Delete & Update data in MySQL Chapter 11: ORDER BY, DESC and ASC Chapter 12: Group By Chapter 13: Wildcards Chapter 14: Regular Expressions Chapter 15: MySQL PHP Chapter 16: Aggregate Function in MySQL Chapter 17: Null value & Keyword in MySQL Chapter 18: Auto Increment Chapter 19: Alter, Drop & Rename Chapter 20: Limit keyword Chapter 21: Sub-Queries Chapter 22: Joins Chapter 23: Unions Chapter 24: Views Chapter 25: Index in MySQL
First International Conference, ARTIIS 2021, La Libertad, Ecuador, November 25-27, 2021, Proceedings McGraw-Hill Prof Med/Tech
 Get your statistics basics right before diving into the world of data science About This Book No need to take a degree in statistics, read this book and get a strong statistics base for data science and real-world programs; Implement statistics in data science tasks such as data cleaning, mining, and analysis Learn all about probability, statistics, numerical computations, and more with the help of R programs Who This Book Is For This book is intended for those developers who are willing to enter the field of data science and are looking for concise information of

statistics with the help of insightful programs and simple explanation. Some basic hands on R will be useful. What You Will Learn Analyze the transition from a data developer to a data scientist mindset Get acquainted with the R programs and the logic used for statistical computations Understand mathematical concepts such as variance, standard deviation, probability, matrix calculations, and more Learn to implement statistics in data science tasks such as data cleaning, mining, and analysis Learn the statistical techniques required to perform tasks such as linear regression, regularization, model assessment, boosting, SVMs, and working with neural networks Get comfortable with performing various statistical computations for data science programmatically In Detail Data science is an ever-evolving field, which is growing in popularity at an exponential rate. Data science includes techniques and theories extracted from the fields of statistics; computer science, and, most importantly, machine learning, databases, data visualization, and so on. This book takes you through an entire journey of statistics, from knowing very little to becoming comfortable in using various statistical methods for data science tasks. It starts off with simple statistics and then move on to statistical methods that are used in data science algorithms. The R programs for statistical computation are clearly explained along with logic. You will come across various mathematical concepts, such as variance, standard deviation, probability, matrix calculations, and more. You will learn only what is required to implement statistics in data science tasks such as data cleaning, mining, and analysis. You will learn the statistical techniques required to perform tasks such as linear regression, regularization, model assessment, boosting, SVMs, and working with neural networks. By the end of the book, you will be comfortable with performing various statistical computations for data science programmatically. Style and approach Step by step comprehensive guide with real world examples

Concepts, Methodologies, Tools, and Applications Apress

Use MySQL Shell, the first modern and advanced client for connecting to and interacting with MySQL. It supports SQL, Python, and JavaScript. That's 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 Who This Book Is For Developers and database professionals who want to automate their work and remain on the cutting edge of what MySQL has to offer. Anyone not happy with the limited automation capabilities of the legacy

command-line client will find much to like in this book on the MySQL Shell that supports powerful automation through the Python scripting language.

Mastering Python for Web Apress

Simulation Conceptual Modeling explores several system analysis methods and conceptual modeling techniques. It also discusses appropriate tools that may be used to assist with conceptual modeling. In addition, it discusses how to evaluate the quality of a conceptual model. Some commonly used conceptual modeling techniques and methods include; Data Flow Modeling, Entity Relationship Modeling, Event-Drive Process Chain, Joint Application Development, Place/Transition Net Modeling, State Transition Modeling, Object Role Modeling, and Unified Modeling Language (UML).

Pentaho Kettle Solutions "O'Reilly Media, Inc."

This is a standard, precise, and short tutorial for setting up ownCloud and includes advanced topics like encryption, user management, and server security. This ownCloud book would be an ideal starting point for anyone who wants to store their data and also share it. This book is for first time users as well as administrators who are interested or responsible for managing an ownCloud instance. You do not need any prior experience with any of the technology, including Linux/Windows, Apache/IIS, SQLite/MySQL, or even PHP. It is a beginner-friendly book, written with a first time user in mind.

INTELLIGENT TECHNIQUES FOR DATA SCIENCE

eBookIt.com

Industry professionals, government officials, and the general public often agree that the modern healthcare system is in need of an overhaul. With many organizations concerned with the long-term care of patients, new strategies, practices, and organizational tools must be developed to optimize the current healthcare system. Healthcare Policy and Reform: Concepts, Methodologies, Tools, and Applications is a comprehensive source of academic material on the importance of policy and policy reform initiatives in modern healthcare systems. Highlighting a range of topics such as public health, effective care delivery, and health information systems, this multi-volume book is designed for medical practitioners, medical administrators, professionals, academicians, and researchers interested in all aspects of healthcare policy and reform.

Database Concepts CRC Press

A complete guide to Pentaho Kettle, the Pentaho Data Integration toolset for ETL This practical book is a complete guide to installing, configuring, and managing Pentaho Kettle. If you're a database administrator or developer, you'll first get up to speed on Kettle basics and how to apply Kettle to create ETL solutions—before progressing to specialized concepts such as clustering, extensibility, and data vault models. Learn how to design and build every phase of an ETL solution. Shows developers and database administrators how to use the open-source Pentaho Kettle for enterprise-level ETL processes (Extracting, Transforming, and Loading data) Assumes no prior knowledge of Kettle or ETL, and brings beginners thoroughly up to speed at their own pace Explains how to get Kettle solutions up and running, then follows the 34 ETL subsystems model, as created by the Kimball Group, to explore the entire ETL lifecycle, including all aspects of data warehousing with Kettle Goes beyond routine tasks to explore how to extend Kettle and scale Kettle solutions using a distributed "cloud" Get the most out of Pentaho Kettle and your data warehousing with this detailed guide—from simple single table data migration to complex

multisystem clustered data integration tasks.

The MODAClouds Approach "O'Reilly Media, Inc."

Software Engineering: A Methodical Approach (Second Edition) provides a comprehensive, but concise introduction to software engineering. It adopts a methodical approach to solving software engineering problems, proven over several years of teaching, with outstanding results. The book covers concepts, principles, design, construction, implementation, and management issues of software engineering. Each chapter is organized systematically into brief, reader-friendly sections, with itemization of the important points to be remembered. Diagrams and illustrations also sum up the salient points to enhance learning. Additionally, the book includes the author's original methodologies that add clarity and creativity to the software engineering experience. New in the Second Edition are chapters on software engineering projects, management support systems, software engineering frameworks and patterns as a significant building block for the design and construction of contemporary software systems, and emerging software engineering frontiers. The text starts with an introduction of software engineering and the role of the software engineer. The following chapters examine in-depth software analysis, design, development, implementation, and management. Covering object-oriented methodologies and the principles of object-oriented information engineering, the book reinforces an object-oriented approach to the early phases of the software development life cycle. It covers various diagramming techniques and emphasizes object classification and object behavior. The text features comprehensive treatments of: Project management aids that are commonly used in software engineering An overview of the software design phase, including a discussion of the software design process, design strategies, architectural design, interface design, database design, and design and development standards User interface design Operations design Design considerations including system catalog, product documentation, user message management, design for real-time software, design for reuse, system security, and the agile effect Human resource management from a software engineering perspective Software economics Software implementation issues that range from operating environments to the marketing of software Software maintenance, legacy systems, and re-engineering This textbook can be used as a one-semester or two-semester course in software engineering, augmented with an appropriate CASE or RAD tool. It emphasizes a practical, methodical approach to software engineering, avoiding an overkill of theoretical calculations where possible. The primary objective is to help students gain a solid grasp of the activities in the software development life cycle to be confident about taking on new software engineering projects.

Murach's MySQL McGraw Hill Professional

This textbook provides readers with the tools, techniques and cases required to excel with modern artificial intelligence methods. These embrace the family of neural networks, fuzzy systems and evolutionary computing in addition to other fields within machine learning, and will help in identifying, visualizing, classifying and analyzing data to support business decisions./p> The authors, discuss advantages and drawbacks of different approaches, and present a sound foundation for the reader to design and implement data analytic solutions for real-world applications in an intelligent manner. Intelligent Techniques for Data Science also provides real-world cases of extracting value from data in various domains such as retail, health, aviation, telecommunication and tourism.

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