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Designing Data-Intensive Applications Addison-Wesley Professional
"This book gives a general coverage of learning management systems followed by a comparative analysis of the particular LMS products, review of technologies supporting different aspect of educational process, and, the best practices and methodologies for LMS-supported course delivery"--Provided by publisher.

Building a GIS Packt Publishing Ltd
Web Database Applications with PHP and MySQL "O'Reilly Media, Inc."
Oracle SAP Administration "O'Reilly Media, Inc."
An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.
Simulation and Database Software for Computational Systems Biology Packt Publishing Ltd
With the amount of data a business

accumulates now doubling every 12 to 18 months, IT professionals need to know how to develop a system for archiving important database data, in a way that both satisfies regulatory requirements and is durable and secure. This important and timely new book explains how to solve these challenges without compromising the operation of current systems. It shows how to do all this as part of a standardized archival

process that requires modest contributions from team members throughout an organization, rather than the superhuman effort of a dedicated team. * Exhaustively considers the diverse set of issues—legal, technological, and financial—affecting organizations faced with major database archiving requirements. * Shows how to design and implement a database archival process that is integral to existing procedures and systems.

* Explores the role of players at every level of the organization—in terms of the skills they need and the contributions they can make. * Presents its ideas from a vendor-neutral perspective that can benefit any organization, regardless of its current technological investments. * Provides detailed information on building the business case for all types of archiving projects
Fixing Access Annoyances Apress
Researching your genealogy online is like being a kid in a

candy store. So many neat things catch your eye that it's difficult to decide which one to try. That's where *Genealogy Online For Dummies, 5th Edition* comes in. This completely practical handbook helps you become a smart, discriminating researcher from the moment you start your investigation. Unlike other genealogy books, this easy-to-use guide does more than show you how to access and use online resources; it lays out a sensible organized process you can follow to make your research more efficient and achieve your genealogical goal faster. You'll learn how to start your research before you go online, understand traditional methods of genealogy,

identify Web sites that will be most helpful to your research, get vital information and statistics from government records, and much, much more Discover how to: Use basic online and offline research techniques Develop a plan for your research Integrate Internet resources to achieve your genealogical goal Create Web sites where family members can make contact Access domestic records for births, deaths, immigration, and more Research ethnic ancestry through international records Verify what you find Protect your research Complete with a companion CD-ROM packed with valuable genealogy software, Genealogy Online For Dummies puts you in

touch with all of the tools, resources, methods, and know-how you need to make your research into your family history a total success.

Microsoft SQL Server 7.0 Database Implementation Online Training Kit ABC-CLIO

The vast majority of software applications use relational databases that virtually every application developer must work with. This book introduces you to database design, whether you're a DBA or database developer. You'll discover what databases are, their

goals, and why proper design is necessary to achieve those goals. Additionally, you'll master how to structure the database so it gives good performance while minimizing the chance for error. You will learn how to decide what should be in a database to meet the application's requirements. *Beginning ASP.NET 4.5 Databases* Springer Science & Business Media Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the

cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data

structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

Database System Concepts ESRI, Inc.

The book's reach is as broad as it is detailed, intended both for IT experts just now adopting the technology and for GIS experts just now getting into system design - and for the nontechnical executives who need to take advantage of advancements in technology while managing

change."--Jacket.

IBM IMS Solutions for Automating Database Management Apress

From fundamentals and design patterns to the different strategies for creating secure and reliable architectures in AWS cloud, learn everything you need to become a successful solutions architect. Purchase of the print or Kindle book includes a free eBook in the PDF format. Endorsements "For new or existing solutions architects looking to keep their skills sharp in the cloud era, this book hits all the key areas." -Rajesh Sheth, GM, Messaging and Streaming, AWS "...the go-to guide for understanding various functions in the age of cloud

computing." -Rohan Karmarkar, Director, Solutions Architecture, AWS "...you will find very important nuggets of knowledge that will help you be a successful solutions architect, and open up a new world of infinite possibilities!" -Kamal Arora, Senior Manager, Solutions Architecture, AWS Book Description Becoming a solutions architect requires a hands-on approach, and this edition of the Solutions Architect's Handbook brings exactly that. This handbook will teach you how to create robust, scalable, and fault-tolerant solutions and next-generation architecture designs in a cloud environment. It will also help you build effective product strategies

for your business and implement them from start to finish. This new edition features additional chapters on disruptive technologies, such as Internet of Things (IoT), quantum computing, data engineering, and machine learning. It also includes updated discussions on cloud-native architecture, blockchain data storage, and mainframe modernization with public cloud. The Solutions Architect's Handbook provides an understanding of solution architecture and how it fits into an agile enterprise environment. It will take you through the journey of solution architecture design by providing detailed knowledge of design pillars, advanced design

patterns, anti-patterns, and the cloud-native aspects of modern software design. By the end of this handbook, you'll have learned the techniques needed to create efficient architecture designs that meet your business requirements. What you will learn Explore the various roles of a solutions architect in the enterprise landscape Implement key design principles and patterns to build high-performance cost-effective solutions Choose the best strategies to secure your architectures and increase their availability Modernize legacy applications with the help of cloud integration Understand how big data processing, machine learning, and IoT fit into modern

architecture Integrate a DevOps mindset to promote collaboration, increase operational efficiency, and streamline production Who this book is for This book is for software developers, system engineers, DevOps engineers, architects, and team leaders who already work in the IT industry and aspire to become solutions architect professionals. Existing solutions architects who want to expand their skillset or get a better understanding of new technologies will also learn valuable new skills. To get started, you'll need a good understanding of the real-world software development process and general programming experience in any language.

Librarian's Guide to Online Searching: Cultivating Database Skills for Research and Instruction, 4th Edition

New York, N.Y. :
Cuadra/Elsevier

This groundbreaking textbook and guide for library school students and librarians will help you—regardless of experience level or environment—learn the ins and outs of working with online databases, the best tactics for effective research online, and the methods for conveying these search skills to others. • Features discussions of databases by discipline,

including social science, science, medicine, and humanities, covering both bibliographic and numerical databases • Provides readers with a toolkit of fundamental search skills to increase research effectiveness • Presents advice and techniques for both virtual and in-person teaching • Offers a companion website with additional information and exercises • Includes new "Additional Resources" sections for each database chapter, providing exposure to more database names and vendors, as well as a new section on discovery

services

"O'Reilly Media, Inc."

A comprehensive guide to building, managing, and securing scalable and reliable database and data warehousing applications using Postgres 12 and 13 Key Features Set up your database cluster and monitor, secure, and fine-tune it for optimal performance Learn the fundamentals of database management and implement client- and server-side programming using SQL and PL/pgSQL Explore useful tips to develop efficient PostgreSQL database solutions from scratch Book Description PostgreSQL is one of the fastest-growing open source object-

relational database management systems (DBMS) in the world. As well as being easy to use, it's scalable and highly efficient. In this book, you'll explore PostgreSQL 12 and 13 and learn how to build database solutions using it. Complete with hands-on tutorials, this guide will teach you how to achieve the right database design required for a reliable environment. You'll learn how to install and configure a PostgreSQL server and even manage users and connections. The book then progresses to key concepts of relational databases, before taking you through the Data Definition Language (DDL) and commonly used DDL commands. To build on your

skills, you'll understand how to interact with the live cluster, create database objects, and use tools to connect to the live cluster. You'll then get to grips with creating tables, building indexes, and designing your database schema. Later, you'll explore the Data Manipulation Language (DML) and server-side programming capabilities of PostgreSQL using PL/pgSQL, before learning how to monitor, test, and troubleshoot your database application to ensure high-performance and reliability. By the end of this book, you'll be well-versed with the Postgres database and be able to set up your own PostgreSQL instance and use it to build robust

solutions. What you will learn Understand how users and connections are managed by running a PostgreSQL instance Interact with transaction boundaries using server-side programming Identify bottlenecks to maintain your database efficiently Create and manage extensions to add new functionalities to your cluster Choose the best index type for each situation Use online tools to set up a memory configuration that will suit most databases Explore how Postgres can be used in multi-instance environments to provide high-availability, redundancy, and scalability Who this book is for This Postgres book is for anyone

interested in learning about the PostgreSQL database from scratch. Anyone looking to build robust data warehousing applications and scale the database for high-availability and performance using the latest features of PostgreSQL will also find this book useful. Although prior knowledge of PostgreSQL is not required, familiarity with databases is expected. *PHP Solutions* Packt Publishing Ltd Businesses are gathering data today at exponential rates and yet few people know how to access it meaningfully. If you're a business or IT professional,

this short hands-on guide teaches you how to pull and transform data with SQL in significant ways. You will quickly master the fundamentals of SQL and learn how to create your own databases. Author Thomas Nield provides exercises throughout the book to help you practice your newfound SQL skills at home, without having to use a database server environment. Not only will you learn how to use key SQL statements to find and manipulate your data, but you'll also discover how to

efficiently design and manage databases to meet your needs. You'll also learn how to: Explore relational databases, including lightweight and centralized models Use SQLite and SQLiteStudio to create lightweight databases in minutes Query and transform data in meaningful ways by using SELECT, WHERE, GROUP BY, and ORDER BY Join tables to get a more complete view of your business data Build your own tables and centralized databases by using normalized design principles

Manage data by learning how to INSERT, DELETE, and UPDATE records

RMAN Recipes for Oracle Database 11g ABC-CLIO This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book.

Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It

covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap

indexes, distributed transactions, and information integration techniques.

Building Scalable Database Applications John Wiley & Sons
Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

Beginning Oracle SQL for Oracle Database 18c John Wiley & Sons
All of today's mainstream database products support the SQL language, and relational theory is what SQL is supposed to be based

on. But are those products truly relational? Sadly, the answer is no. This book shows you what a real relational product would be like, and how and why it would be so much better than what's currently available. With this unique book, you will: Learn how to see database systems as programming systems Get a careful, precise, and detailed definition of the relational model Explore a detailed analysis of SQL from a relational point of view There are literally hundreds of

books on relational theory or the SQL language or both. But this one is different. First, nobody is more qualified than Chris Date to write such a book. He and Ted Codd, inventor of the relational model, were colleagues for many years, and Chris's involvement with the technology goes back to the time of Codd's first papers in 1969 and 1970. Second, most books try to use SQL as a vehicle for teaching relational theory, but this book deliberately takes the opposite approach.

Its primary aim is to teach relational theory as such. Then it uses that theory as a vehicle for teaching SQL, showing in particular how that theory can help with the practical problem of using SQL correctly and productively. Any computer professional who wants to understand what relational systems are all about can benefit from this book. No prior knowledge of databases is assumed.

Getting Started with SQL

McGraw-Hill Education

"This book presents cutting-

edge research and analysis of the most recent advancements in the fields of database systems and software development"--Provided by publisher.

Principles of Database

Management Apress

Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is

required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of *Beginning Oracle SQL for Oracle Database 18c* is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a

database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data

using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful. [Learn PostgreSQL](#) Berkeley, Calif. : Osborne McGraw-Hill

Over the last few years, IBM® IMSTM and IMS tools have been modernizing the interfaces to IMS and the IMS tools to bring them more in line with the current interface designs. As the mainframe software products are becoming more integrated with the Windows and mobile environments, a common approach to interfaces is becoming more relevant. The traditional 3270 interface with ISPF as the main interface is no longer the only way to do some of these processes. There is also a need to provide more of a common looking interface so the tools do not have a product-specific interface. This allows more cross product integration.

Eclipse and web-based interfaces being used in a development environment, tooling using those environments provides productivity improvements in that the interfaces are common and familiar. IMS and IMS tools developers are making use of those environments to provide tooling that will perform some of the standard DBA functions. This book will take some selected processes and show how this new tooling can be used. This will provide some productivity improvements and also provide a more familiar environment for new generations DBAs. Some of the functions normally done by DBA or console operators can now be done in this eclipse-based

environment by the application developers. This means that the need to request these services from others can be eliminated. This IBM Redbooks® publication examines specific IMS DBA processes and highlights the new IMS and IMS tools features, which show an alternative way to accomplish those processes. Each chapter highlights a different area of the DBA processes like: PSB creation Starting/stopping a database in an IMS system Recovering a database Cloning a set of databases
[The World Book Encyclopedia](#) IGI Global
A guide to building business and database client/server

applications with reusable components, for software engineers and programmers. Business and database models illustrate challenges in manipulating object storage and retrieval from a developer's point of view, emphasizing integration of legacy and relational systems with object-oriented systems. Coverage includes Scoop architecture, designing reusable business components, modeling and implementing associations, and separating the user interface from the business

model. Annotation copyrighted by Book News, Inc., Portland, OR *Database-Driven Web Sites* Createspace Independent Publishing Platform This is the third edition of David Powers' highly-respected PHP Solutions: Dynamic Web Design Made Easy. This new edition has been updated by David to incorporate changes to PHP since the second edition and to offer the latest techniques—a classic guide modernized for 21st century PHP techniques,

innovations, and best practices. You want to make your websites more dynamic by adding a feedback form, creating a private area where members can upload images that are automatically resized, or perhaps storing all your content in a database. The problem is, you're not a programmer and the thought of writing code sends a chill up your spine. Or maybe you've dabbled a bit in PHP and MySQL, but you can't get past baby steps. If this describes you, then you've just found the right book.

PHP and the MySQL database are deservedly the most popular combination for creating dynamic websites. They're free, easy to use, and provided by many web hosting companies in their standard packages. Unfortunately, most PHP books either expect you to be an expert already or force you to go through endless exercises of little practical value. In contrast, this book gives you real value right away through a series of practical examples that you can incorporate directly into

your sites, optimizing performance and adding functionality such as file uploading, email feedback forms, image galleries, content management systems, and much more. Each solution is created with not only functionality in mind, but also visual design. But this book doesn't just provide a collection of ready-made scripts: each PHP Solution builds on what's gone before, teaching you the basics of PHP and database design quickly and painlessly. By the end of the

book, you'll have the confidence to start writing your own scripts or—if you prefer to leave that task to others—to adapt existing scripts to your own requirements. Right from the start, you're shown how easy it is to protect your sites by adopting secure coding practices.