

Sql Mapper

Jason Myers, Rick Copeland

The Apache Ignite Book Michael Zheludkov, Shamim Bhuiyan, 2019-02-25 Apache Ignite is one of the most widely used open source memory-centric distributed, caching, and processing platform. This allows the users to use the platform as an in-memory computing framework or a full functional persistence data stores with SQL and ACID transaction support. On the other hand, Apache Ignite can be used for accelerating existing Relational and NoSQL databases, processing events & streaming data or developing Microservices in fault-tolerant fashion. This book addressed anyone interested in learning in-memory computing and distributed database. This book intends to provide someone with little to no experience of Apache Ignite with an opportunity to learn how to use this platform effectively from scratch taking a practical hands-on approach to learning. Please see the table of contents for more details.

Smart and Innovative Trends in Next Generation Computing Technologies Pushpak

Bhattacharyya, Hanumat G. Sastry, Venkatadri Marriboyina, Rashmi Sharma, 2018-06-08 The two-volume set CCIS 827 and 828 constitutes the thoroughly refereed proceedings of the Third International Conference on Next Generation Computing Technologies, NGCT 2017, held in Dehradun, India, in October 2017. The 135 full papers presented were carefully reviewed and selected from 948 submissions. There were organized in topical sections named: Smart and Innovative Trends in Communication Protocols and Standards; Smart and Innovative Trends in

Computational Intelligence and Data Science; Smart and Innovative Trends in Image Processing and Machine Vision; Smart Innovative Trends in Natural Language Processing for Indian Languages; Smart Innovative Trends in Security and Privacy.

Essential SQLAlchemy Jason Myers, Rick Copeland, 2015-11-27 Dive into SQLAlchemy, the popular, open-source code library that helps Python programmers work with relational databases such as Oracle, MySQL, PostgreSQL, and SQLite. Using real-world examples, this practical guide shows you how to build a simple database application with SQLAlchemy, and how to connect to multiple databases simultaneously with the same metadata. SQL is a powerful language for querying and manipulating data, but it's tough to integrate it with your application. SQLAlchemy helps you map Python objects to database tables without substantially changing your existing Python code. If you're an intermediate Python developer with knowledge of basic SQL syntax and relational theory, this book serves as both a learning tool and a handy reference. Essential SQLAlchemy includes several sections: SQLAlchemy Core: Provide database services to your applications in a Pythonic way with the SQL Expression Language SQLAlchemy ORM: Use the object relational mapper to bind database schema and operations to data objects in your application Alembic: Use this lightweight database migration tool to handle changes to the database as your application evolves Cookbook: Learn how to use SQLAlchemy with web frameworks like Flask and libraries like SQLAlchemycodegen

Essential SQLAlchemy Rick Copeland, 2008-06-05

Essential SQLAlchemy introduces a high-level open-source code library that makes it easier for Python programmers to access relational databases such as Oracle, DB2, MySQL, PostgreSQL, and SQLite. SQLAlchemy has become increasingly popular since its release, but it still lacks good offline documentation. This practical book fills the gap, and because a developer wrote it, you get an objective look at SQLAlchemy's tools rather than an advocate's description of all the cool features. SQLAlchemy includes both a database server-independent SQL expression language and an object-relational mapper (ORM) that lets you map plain old Python objects (POPOs) to database tables without substantially changing your existing Python code. Essential SQLAlchemy demonstrates how to use the library to create a simple database application, walks you through simple queries, and explains how to use SQLAlchemy to connect to multiple databases simultaneously with the same Metadata. You also learn how to: Create custom types to be used in your schema, and when it's useful to use custom rather than built-in types Run queries, updates, and deletes with SQLAlchemy's SQL expression language Build an object mapper with SQLAlchemy, and understand the differences between this and active record patterns used in other ORMs Create objects, save them to a session, and flush them to the database Use SQLAlchemy to model object oriented inheritance Provide a declarative, active record pattern for use with SQLAlchemy using the Elixir extension Use the SQLSoup extension to provide an

automatic metadata and object model based on database reflection In addition, you'll learn how and when to use other extensions to SQLAlchemy, including AssociationProxy, OrderingList, and more. Essential SQLAlchemy is the much-needed guide for every Python developer using this code library. Instead of a feature-by-feature documentation, this book takes an essentials approach that gives you exactly what you need to become productive with SQLAlchemy right away.

Ubiquitous Computing and Ambient Intelligence. Sensing, Processing, and Using Environmental Information Juan M. García-Chamizo, Giancarlo Fortino, Sergio F. Ochoa, 2015-12-12 This book constitutes the refereed proceedings of the 9th International Conference on Ubiquitous Computing and Ambient Intelligence, UCAmI 2015, held in Puerto Varas, Chile, in December 2015. The 36 full papers presented together with 11 short papers were carefully reviewed and selected from 62 submissions. The papers are grouped in topical sections on adding intelligence for environment adaption; ambient intelligence for transport; human interaction and ambient intelligence; and ambient intelligence for urban areas.

Lift in Action Tim Perrett, 2011-11-17 Summary Lift in Action is a step-by-step exploration of the Lift framework. It moves through the subject quickly using carefully crafted, well-explained examples that make you comfortable from the start. This book is written for developers who are new to both Scala and Lift. About the Technology Lift is a Scala-based web framework designed for extremely interactive and engaging web applications. It's

highly scalable, production-ready, and will run in any servlet container. And Lift's convention-over-configuration approach lets you avoid needless work. About this Book Lift in Action is a step-by-step exploration of the Lift framework. It moves through the subject quickly using carefully crafted, well-explained examples that make you comfortable from the start. You'll follow an entertaining Travel Auction application that covers the core concepts and shows up architectural and development strategies. Handy appendixes offer a Scala crash course and guidance for setting up a good coding environment. This book is written for developers who are new to both Scala and Lift and covers just enough Scala to get you started. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Complete coverage of the Lift framework Security, maintainability, and performance Integration and scaling Covers Lift 2.x Table of Contents PART 1 GETTING STARTED Introducing Lift Hello Lift PART 2 APPLICATION TUTORIAL The auction application Customers, auctions, and bidding Shopping basket and checkout PART 3 LIFT IN DETAIL Common tasks with Lift WebKit SiteMap and access control HTTP in Lift AJAX, wiring, and Comet Persistence with Mapper Persistence with Record

SQL All-in-One For Dummies Allen G.

Taylor, 2011-03-10 The soup-to-nuts guide on all things SQL! SQL, or structured query language, is the international standard language for creating and maintaining relational databases. It is the

basis of all major databases in use today and is essential for the storage and retrieval of database information. This fun and friendly guide takes SQL and all its related topics and breaks it down into easily digestible pieces for you to understand. You'll get the goods on relational database design, development, and maintenance, enabling you to start working with SQL right away! Provides an overview of the SQL language and examines how it is integral for the storage and retrieval of database information Includes updates to SQL standards as well as any new features Explores SQL concepts, relational database development, SQL queries, data security, database tuning, and more Addresses the relationship between SQL and programming as well as SQL and XML If you're looking for an up-to-date sequel to the bestselling first edition of SQL All-in-One For Dummies, then this is the book for you!

Pro JPA 2 in Java EE 8 Mike Keith, Merrick Schincariol, Massimo Nardone, 2018-02-01 Learn to use the Java Persistence API (JPA) and other related APIs as found in the Java EE 8 platform from the perspective of one of the specification creators. A one-of-a-kind resource, this in-depth book provides both theoretical and practical coverage of JPA usage for experienced Java developers. Authors Mike Keith, Merrick Schincariol and Massimo Nardone take a hands-on approach, based on their wealth of experience and expertise, by giving examples to illustrate each concept of the API and showing how it is used in practice. The examples use a common model from an overarching sample application, giving you a

context from which to start and helping you to understand the examples within an already familiar domain. After completing Pro JPA 2 in Java EE 8, you will have a full understanding of JPA and be able to successfully code applications using its annotations and APIs. The book also serves as an excellent reference guide. What You Will Learn Use the JPA in the context of enterprise applications Work with object relational mappings (ORMs), collection mappings and more Build complex enterprise Java applications that persist data long after the process terminates Connect to and persist data with a variety of databases, file formats, and more Use queries, including the Java Persistence Query Language (JPQL) Carry out advanced ORM, queries and XML mappings Package, deploy and test your Java persistence-enabled enterprise applications Who This Book Is For Experienced Java programmers and developers with at least some prior experience with J2EE or Java EE platform APIs.

SQL Server 2019 Revealed Bob Ward, 2019-10-18 Get up to speed on the game-changing developments in SQL Server 2019. No longer just a database engine, SQL Server 2019 is cutting edge with support for machine learning (ML), big data analytics, Linux, containers, Kubernetes, Java, and data virtualization to Azure. This is not a book on traditional database administration for SQL Server. It focuses on all that is new for one of the most successful modernized data platforms in the industry. It is a book for data professionals who already know the fundamentals of SQL Server and want to up their game by building their skills

in some of the hottest new areas in technology. SQL Server 2019 Revealed begins with a look at the project's team goal to integrate the world of big data with SQL Server into a major product release. The book then dives into the details of key new capabilities in SQL Server 2019 using a "learn by example" approach for Intelligent Performance, security, mission-critical availability, and features for the modern developer. Also covered are enhancements to SQL Server 2019 for Linux and gain a comprehensive look at SQL Server using containers and Kubernetes clusters. The book concludes by showing you how to virtualize your data access with Polybase to Oracle, MongoDB, Hadoop, and Azure, allowing you to reduce the need for expensive extract, transform, and load (ETL) applications. You will then learn how to take your knowledge of containers, Kubernetes, and Polybase to build a comprehensive solution called Big Data Clusters, which is a marquee feature of 2019. You will also learn how to gain access to Spark, SQL Server, and HDFS to build intelligence over your own data lake and deploy end-to-end machine learning applications. What You Will LearnImplement Big Data Clusters with SQL Server, Spark, and HDFS Create a Data Hub with connections to Oracle, Azure, Hadoop, and other sourcesCombine SQL and Spark to build a machine learning platform for AI applicationsBoost your performance with no application changes using Intelligent PerformanceIncrease security of your SQL Server through Secure Enclaves and Data ClassificationMaximize database uptime through online indexing and Accelerated Database

RecoveryBuild new modern applications with Graph, ML Services, and T-SQL Extensibility with JavaImprove your ability to deploy SQL Server on Linux Gain in-depth knowledge to run SQL Server with containers and KubernetesKnow all the new database engine features for performance, usability, and diagnosticsUse the latest tools and methods to migrate your database to SQL Server 2019Apply your knowledge of SQL Server 2019 to Azure Who This Book Is For IT professionals and developers who understand the fundamentals of SQL Server and wish to focus on learning about the new, modern capabilities of SQL Server 2019. The book is for those who want to learn about SQL Server 2019 and the new Big Data Clusters and AI feature set, support for machine learning and Java, how to run SQL Server with containers and Kubernetes, and increased capabilities around Intelligent Performance, advanced security, and high availability.

Pro JPA 2 Mike Keith, Merrick

Schincariol, 2013-09-24 Pro JPA 2, Second Edition introduces, explains, and demonstrates how to use the new Java Persistence API (JPA) 2.1 from the perspective of one of the specification creators. A one-of-a-kind resource, it provides both theoretical and extremely practical coverage of JPA usage for both beginning and advanced developers. Authors Mike Keith and Merrick Schincariol take a hands-on approach, based on their wealth of experience and expertise, by giving examples to illustrate each concept of the API and showing how it is used in practice. The examples use a common model from an overriding

sample application, giving readers a context from which to start and helping them to understand the examples within an already familiar domain. After completing the book, you will have a full understanding of JPA and be able to successfully code applications using its annotations and APIs. The book also serves as an excellent reference guide during initial and later JPA application experiences. Hands-on examples for all aspects of the JPA specification Expert insight about various aspects of the API and when they are useful Portability hints to provide increased awareness of the potential for non-portable JPA code What you'll learn How to get started with enterprise applications using JPA 2.1 Simple and advanced object-relational mapping techniques How to use the complete Entity Manager API How to create queries using the query language (JP QL) and the Criteria API Locking, concurrency, and other advanced concepts How to use XML mapping files and descriptors How to package and deploy your Java Persistence applications How to test your Java Persistence applications Who this book is for The book generally targets enterprise and persistence developers who fall in one of three categories: Those who are new to persistence; we will offer an introduction to persistence and to the basic concepts so these readers can have solid base from which to become proficient at JPA. Those who know and/or use existing ORM persistence products such as Hibernate or TopLink/EclipseLink. Those who have already used JPA and want to learn about newer features introduced by JPA 2.1, or have a good reference book to consult when they develop

JPA applications. In general, we assume that the reader is knowledgeable with Java, SQL, and JDBC, and has a little knowledge of Java EE. Table of Contents Introduction Getting Started Enterprise Applications Object Relational Mapping Collection Mapping Entity Manager Using Queries Java Persistence Query Language Criteria Advanced Object Relational Mapping Advanced Queries Advanced Topics XML Mapping Files Packaging and Deployment Testing

SQL For Dummies Allen G. Taylor, 2018-12-11 Get ready to make SQL easy! Updated for the latest version of SQL, the new edition of this perennial bestseller shows programmers and web developers how to use SQL to build relational databases and get valuable information from them. Covering everything you need to know to make working with SQL easier than ever, topics include how to use SQL to structure a DBMS and implement a database design; secure a database; and retrieve information from a database; and much more. SQL is the international standard database language used to create, access, manipulate, maintain, and store information in relational database management systems (DBMS) such as Access, Oracle, SQL Server, and MySQL. SQL adds powerful data manipulation and retrieval capabilities to conventional languages—and this book shows you how to harness the core element of relational databases with ease. Server platform that gives you choices of development languages, data types, on-premises or cloud, and operating systems Find great examples on the use of temporal data Jump right in—without previous knowledge of database programming or SQL

As database-driven websites continue to grow in popularity—and complexity—SQL For Dummies is the easy-to-understand, go-to resource you need to use it seamlessly.

Microsoft Mapping Second Edition Carmen Au, Ray Rischpater, 2015-10-27 This 200 page revised edition of Microsoft Mapping includes the latest details about SQL Server 2014 and the new 3D and Streetside-capable map control for Windows 10 applications. It contains updated chapters on Microsoft Azure and Power Map for Excel plus a new chapter on Bing Maps for Universal Windows. The book tells a story, from beginning to end, of planning and deploying a single geospatial application built using Microsoft technologies from end-to-end. Readers are expected to have basic familiarity with the fundamentals of developing for Microsoft platforms (some understanding of basic SQL, C#, .NET, and WCF); as readers work through the book they will build on their existing skills so that they will be able to deploy geospatial applications for social networking, data collection, enterprise management, or other purposes. Microsoft Mapping Second Edition provides: The only full book for developers who want to create location-aware apps using the Windows 10 platform Fully working code samples that show the concepts in use with ASP.NET 4.5 and Windows 10. Complete solutions to the common problems of geospatial development: visualization, hosting and localization of services are all explained. Demonstrates how the Bing Maps API can be connected to the Azure Cloud in order to provide a stand-alone mapping bolt-on

with little additional up-front cost and great reliability. Unique coverage of how the Bing Maps API can be implanted within Windows and Windows Phone applications for Windows 10 applications to provide a robust service tailored to the capabilities of each device. Coverage of the new Windows 10 Bing Maps control, which supports viewing Streetside and aerial data.

SQL Helmut Balzert, 2003

Layered Design for Ruby on Rails Applications

Vladimir Dementyev, 2023-08-30 Transition from the traditional Rails model-view-controller trio to an abstraction model and let your application codebase evolve with synchronized components, boosting flexibility and maintainability. Purchase of the print or Kindle book includes a free PDF eBook through the link provided within Key Features Understand Rails' architectural patterns along with its advantages and disadvantages Organize business logic in Rails apps when the default approach is insufficient Introduce new abstractions to address design problems Book Description Ruby on Rails is an open-source framework for building web applications from scratch while focusing on productivity, leveraging the power of the convention-over-configuration principle, and the well-defined model-view-controller pattern, assisting the developers in building useful features. However, this initial simplicity often leads to uncontrollable complexity turning the well-structured codebase into a hardly maintainable mess. This book aims to help you keep the code maintainable while working on a Rails application. You'll start by exploring

the framework capabilities and principles, allowing you to reap the full potential of Rails. Then, you'll tackle many common design problems by discovering useful patterns and abstraction layers. By implementing abstraction and dividing the application into manageable modules, you'll be able to concentrate on specific parts of the app development without getting overwhelmed by the entire codebase. This strategy also encourages code reuse, simplifying the process of adding new features and enhancing the application's capabilities. Additionally, you'll explore further steps in scaling Rails codebase, such as service extractions. By the end of this book, you'll be a code design specialist with a deep understanding of the Rails framework principles. What you will learn

- Discover Rails' core components and its request/response cycle
- Understand Rails' convention-over-configuration principle and its impact on development
- Explore patterns for flexibility, extensibility, and testability in Rails
- Identify and address Rails' anti-patterns for cleaner code
- Implement design patterns for handling bloated models and messy views
- Expand from mailers to multi-channel notification deliveries
- Explore different authorization models and layers
- Use a class-based approach to configuration in Rails

Who this book is for This book is for Rails application developers facing challenges in managing the growing complexity of their projects. It offers practical strategies for maintaining code readability and manageability, providing valuable guidance for developers at all levels. Whether you've recently launched your

first Rails minimum viable product or are struggling to progress with a sizable monolithic application, this book is here to help. A deep understanding of core Rails principles is a must. Some experience in building web applications using the Rails framework will enhance your comprehension and application of the concepts presented in the book.

Mapping in the Cloud Michael P.

Peterson, 2014-03-28 This engaging text provides a solid introduction to mapmaking in the era of cloud computing. It takes students through both the concepts and technology of modern cartography, geographic information systems (GIS), and Web-based mapping. Conceptual chapters delve into the meaning of maps and how they are developed, covering such topics as map layers, GIS tools, mobile mapping, and map animation. Methods chapters take a learn-by-doing approach to help students master application programming interfaces and build other technical skills for creating maps and making them available on the Internet. The companion website offers invaluable supplementary materials for instructors and students. □ □

Pedagogical features: □ End-of-chapter summaries, review questions, and exercises. □ Extensive graphics illustrating the concepts and procedures. Downloadable PowerPoints for each chapter. Downloadable code files (where applicable) for the exercises.

iBATIS in Action Clinton Begin, Brandon R.

Goodin, Larry Meadors, 2006-12-31 iBATIS in Action teaches Java developers and architects how to use the iBATIS framework to map relational databases

to object-oriented programs. Written by the creator of iBATIS, this practical book presents patterns and solutions that readers can apply immediately. iBATIS in Action shows Java developers how to tackle the problem of data persistence using the elegant iBATIS framework. iBATIS helps developers solve the problem of connecting- or mapping- relational databases to object-oriented code. An extensive running example presents reusable iBATIS patterns and common solutions. The sample application shows where iBATIS fits in a typical web application as well as how iBATIS integrates with other popular frameworks like Struts. iBATIS in Action focuses on solving existing problems without introducing new ones. In addition to showing what iBATIS does, iBATIS in Action also shows how iBATIS solves problems. Readers explore the driving design philosophy behind iBATIS as presented by iBATIS creator Clinton Begin. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

SQL All-in-One Desk Reference For Dummies Allen G. Taylor, 2007-06-15 SQL is the international standard language for creating and maintaining relational databases. This book is a compendium of information about SQL and relational database design, development, and maintenance. The nine mini-books cover the full spectrum of issues that arise in building, using, and maintaining relational database systems. Book I: SQL Concepts Book II: Relational Database Development Book III: SQL Queries Book IV: Data Security Book V: SQL and

Programming Book VI: SQL and XML Book VII:
Database Tuning Overview Book VIII: Appendixes
Professional SQL Server 2005 Administration
Brian Knight, Ketan Patel, Wayne Snyder, Jean-Claude
Armand, Ross LoForte, Brad McGehee, Steven Wort, Joe
Salvatore, Haidong Ji, 2007-03-06 SQL Server 2005 is
the largest leap forward for SQL Server since its
inception. With this update comes new features
that will challenge even the most experienced SQL
Server DBAs. Written by a team of some of the best
SQL Server experts in the industry, this
comprehensive tutorial shows you how to navigate
the vastly changed landscape of the SQL Server
administration. Drawing on their own first-hand
experiences to offer you best practices, unique
tips and tricks, and useful workarounds, the
authors help you handle even the most difficult
SQL Server 2005 administration issues, including
blocking and locking. You'll learn how to fine-
tune queries you've already written, automate
redundant monitoring and maintenance tasks, and
use hidden tools so that you can quickly get over
the learning curve of how to configure and
administer SQL Server 2005. What you will learn
from this book How to use some of the more
advanced concepts of installation Techniques for
properly administering development features such
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common threats How to choose the right hardware
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are already administering an SQL Server 2005 system and its business intelligence features. Wrox Professional guides are planned and written by working technologists to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Microsoft Mapping Ray Rischpater, Carmen Au, 2013-11-30 Geospatial mapping applications have become hugely popular in recent years. With smart-phone and tablet numbers snow-balling this trend looks set to continue well into the future. Indeed, it is true to say that in today's mobile world location-aware apps are becoming the norm rather than the exception. In *Microsoft Mapping* author Ray Rischpater showcases Microsoft's Bing Maps API and demonstrates how its integration features make it by far the strongest mapping candidate for business that are already using Windows 8 or the .NET Framework. Whether you want to build a new app from scratch or add a few modest geospatial features to your existing website Ray's carefully chosen examples will provide you with both the inspiration and the code you need to achieve your goals.

Freeform SQL Essentials MicroStrategy University, 2013-09-02 The MicroStrategy Freeform SQL Essentials course covers how to use Freeform SQL reports in a design concepts as well as knowledge of SQL. You will learn how to create and use Freeform SQL reports, including working with

managed objects, incorporating prompts, using derived and common table expressions and stored procedures, accessing non-relational data sources, and configuring security. MicroStrategy project. The course assumes an understanding of basic report development and project

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