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PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE Updates the comprehensive user's guide to IBM's popular relational database software for mainframe computers, to describe the latest version, 2.3. Explains all the key components of the DB2 environment including the IBM "solution frameworks" AD/cycle, and the information warehouse, in which DB2 plays a pivotal role. Annotation copyrighted by Book News, Inc., Portland, OR If you're a programmer or database administrator who uses SQL in your day-to-day work, this popular pocket guide is the ideal on-the-job reference. You'll find many examples that address the language's complexity, along with key aspects of SQL used in IBM DB2 Release 9.7, MySQL 5.1, Oracle Database 11g Release 2, PostgreSQL 9.0, and Microsoft SQL Server 2008 Release 2. SQL Pocket Guide describes how these database systems implement SQL syntax for querying, managing transactions, and making changes to data. It also shows how the systems use SQL functions, regular expression syntax, and type conversion functions and formats. All example SQL statements in this book execute against a set of tables, with data that you can quickly download. The third edition covers important database changes, including: Oracle's support of the recursive WITH syntax, and addition of PIVOT and UNPIVOT operators Functions new to Oracle, such as LISTAGG, NTH_VALUE, and more PostgreSQL's support of recursive WITH and some window functions DB2 syntax and datatypes, some compatible with Oracle MySQL features such as the TIMESTAMP type and the TO_SECONDS function The accompanying CD-ROM contains source code, DB2 product documentation, and a complete trial version of DB2 Enterprise Server Edition for Windows version 8.2. DB2 Version 8" represents a significant release in DB2Us history. This book is organized into topics such as Performance Enhancements, Manageability Enhancements, etc. Each section presents the new features in Version 8, and gives details about the new features, gotchas, tips, and tricks. Written for applications programmers, systems analysts, systems designers, and project leaders. This book covers SQL as an access system for DB/2 and other database management systems including SQL/DS, INFORMIX and SYBARE. This IBM® Redbooks® publication describes IBM DB2® SQL compatibility features. The latest version of DB2 includes extensive native support for the PL/SQL procedural language, new data types, scalar functions, improved concurrency, built-in packages, OCI, SQLPlus, and more. These features can help with developing applications that run on both DB2 and Oracle and can help simplify the process of moving from Oracle to DB2. In addition, IBM now provides tools to simplify the enablement process, such as the highly scalable IBM Data Movement Tool for moving schema and data into DB2, and an Editor and Profiler for PL/SQL provided by the IBM Data Studio tool suite. This Oracle to DB2 migration guide describes new technology, preferred practices for moving to DB2, and common scenarios that can help you as you move from Oracle to DB2. This book is intended for IT architects and developers who are converting from Oracle to DB2. DB2 compatibility with Oracle is provided through native support. The new capabilities in DB2 that provide compatibility are implemented at the lowest and most intimate levels of the database kernel, as though they were originally engineered for DB2. means that the DB2 implementation is done without the aid of an emulation layer. This intimacy leads to the scalable implementation that DB2 offers, providing identical performance between DB2 compatibility features and DB2 other language elements. For example, DB2 runs SQL PL at the same performance as PL/SQL implementations of the same function. Applications oriented, it instructs programmers in the fundamentals of programming for a DB2 database and then proceeds to cover more advanced topics as the reader progresses. Working from a unique perspective, it enables programmers to acquire practical experience as they go through the chapters. Intended as a stand-alone text, includes examples and exercises based on the IBM sample tables provided with the DB2 software. Chapters discuss how to construct SQL statements and how to embed them in a host language to access DB2 data, and provide background data to give programmers a general understanding of the structure of a DB2 database and the environment in which it functions. Also explores advanced topics such as access path selection, the SQL EXPLAIN statement, and dynamic SQL. Describes how to develop a support structure, set education requirements, develop and enforce policies, procedures, and standards, determine priority of tasks

for implementation, and use DB2-related products. Includes overviews of DB2 and SQL and discussions on locking, capacity planning, performance management and problem determination. Annotation copyrighted by Book News, Inc., Portland, OR Marketshare for DB2 has been growing steadily over the past 5 years and with the announcement of DB2 Universal Database V8 (T-Rex), the product has never had more momentum. DB2 owns about 30 percent of the database market--the same as Oracle. Not only is the product used in many Fortune 500 companies, but it is becoming very popular in small to medium sized businesses as well. This book provides the reader with a comprehensive reference and research tool for DB2 for the mainframe. Official material is awkwardly written, spans over a dozen manuals in PDF format, and lacks real-world guidance. Author, Craig Mullins, consistently hears from readers of past editions that they rely on this book as their primary reference for DB2. Craig Mullins is constantly being asked when it will support a new release. -- The insider's guide to table structures, cluster configuration, and other optimization opportunities. -- Provides best practices techniques for installing, configuring, and optimizing DB2 in the Solaris Operating Environment. -- Covers the new Solaris Operating Environment security features to make your databases even more secure! -- Part of the IBM Press DB2 Series. This is the only IBM insider's reference and guidebook for making the most of DB2 in Solaris enterprise environments. Coverage includes: integrating Solaris and DB2 to build more secure database applications; working with DB2's management utilities in a Solaris environment; client/server communications under Solaris; special issues and opportunities associated with running DB2 Universal Database Enterprise Edition under Solaris, and much more! The authors explain configuring Solaris and DB2 failover support and provide expert tips and techniques for DB2/Solaris performance monitoring, optimization, and troubleshooting. If you manage or develop for DB2 on Solaris, this book is critical to your success -- and you can't find it anywhere else! Comprehensive coverage of the leading relational DBMS in the IBM market. Authors detail the features of the newest product release, DB2 Version 2, Release 2, including a systematic treatment of the DB2 dialect of the SQL language. Annotation copyrighted by Book News, Inc., Portland, OR IBM and the rest of the computer industry are putting most of their DBMS development efforts into SQL. This reference provides the SQL/400 skills that a successful applications developer needs and shows how to create comprehensive, complex, and professional SQL/400 databases. This is a guide designed to familiarize users with the DB2 standard while helping to optimize their use of the technology IBM's definitive DB2 UDB V7.1 application development reference and exam study guide for the OS/390 and z/OS platforms An official IBM self-study guide for the DB2 UDB V7.1 Family Application Development Exam (#514) Expert DB2 programming tips, techniques, and guidelines from application development experts Covers data structures, SQL, stored procedures, programming/language environments, debugging, tuning, and more CD-ROM contains complete DB2 application development sample exam The definitive, authoritative guide to DB2 OS/390 application development certification Covers data structures, SQL, stored procedures, programming/language environments, debugging, tuning, and much more Includes a full section on object-relational programming and other advanced techniques Sample test questions help you prepare for the IBM DB2 UDB V7.1 Family Application Development Exam (#514) About the CD The CD-ROM included with this book contains a complete DB2 UDB V7.1 Family Application Development Exam (#514) sample exam. IBM DB2 UDB Version 7.1 for OS/390 and z/OS delivers unparalleled performance, scalability, and reliability in today's enterprise business environments. Now, there's a complete, authoritative guide to developing applications with DB2 UDB V7.1 in both OS/390 and z/OS environments--and preparing for the IBM DB2 UDB V7.1 Family Application Development Exam (#514). This comprehensive day-to-day guide to DB2 UDB application development is also the only book that delivers the depth of knowledge professionals need to pass IBM's challenging application development exam for the OS/390 and z/OS platforms. IBM Gold Consultant Susan Lawson presents hundreds of useful tips, practical techniques, and expert guidelines for every facet of DB2 UDB application development and every stage of the development process for both OS/390 and z/OS platforms Coverage includes: Foundations for effective DB2 development, including an overview of the DB2 UDB product family and DB2 for OS/390 data structures SQL: basic concepts and coding techniques through advanced OLAP features, star schemas, and star joins Stored procedures, including the SQL procedure language and IBM's Stored Procedure Builder Best practices for application

testing, debugging, and performance tuning The full range of DB2 development tools, including ODBC/CLI, Java(tm), COBOL, C, C++, REXX, CAF, CICS, and RRSAF Object-relational programming, including user-defined functions, user-defined data types, and triggers In-depth coverage of locking and concurrency Whether you're developing for DB2 UDB V7.1 in an OS/390 or z/OS environment, managing DB2 UDB V7.1 application development, preparing for DB2 UDB V7.1 Family Application Development, or all three, DB2 UDB for OS/390 Version 7.1 Application Certification Guide will be your single most valuable resource. IBM DB2 Series This book, IBM DB2 SQL for Beginners, is for you if you want to learn SQL in the IBM DB2 database the easy way. SQL (Structured Query Language) is the standard language you use to interact with a relational database management system (RDBMS). This book uses the free edition of the IBM DB2 database called Express-C Edition to show how SQL works in DB2. Switching database vendors is often considered an exhausting challenge for database administrators and developers. Complexity, total cost, and the risk of downtime are often the reasons that restrain IT decision makers from starting the migration project. The primary goal of this book is to show that, with the proper planning and guidance, converting from MySQL to IBM® DB2® is not only feasible but straightforward. If you picked up this book, you are most likely considering converting to DB2 and are probably aware of several of the advantages of to converting to DB2 data server. In this IBM Redbooks® publication, we discuss in detail how you can take advantage of this industry leading database server. This book is an informative guide that describes how to convert the database system from MySQL™ 5.1 to DB2® V9.7 on Linux® and the steps that are involved in enabling the applications to use DB2 instead of MySQL. This guide also presents the best practices in conversion strategy and planning, conversion tools, porting steps, and practical conversion examples. It is intended for technical staff that is involved in a MySQL to DB2 conversion project. IBM DB2 Universal Database v8.1.2 will help you access any information, from any application, from anywhere in your organization, anytime-and do it all more easily and cost-effectively than you ever thought possible. Now, in DB2 Version 8: The Official Guide, a team of IBM DB2 experts shows experienced DB2 professionals exactly how to make the most of DB2 Version 8 in any environment-Linux®, UNIX®, or Windows®. The authors draw on extensive personal experience helping customers implement state-of-the-art DB2 solutions, and unparalleled access to the IBM DB2 development team. They offer detailed, never-before-published technical guidance for the key challenges you'll face in delivering high-performance DB2 databases, e-business infrastructure, and enterprise integration solutions. Coverage includes: Simplifying management with the Configuration Advisor, HealthCenter(), and Memory Visualizer Integrating the enterprise via Federated Web Services and the DB2 enhanced XML productivity tools Maximizing database scalability, availability, and robustness Using multidimensional data clustering and other integrated business intelligence tools Integrating with IBM WebSphere and Microsoft software development tools Leveraging key improvements in DB2 SQL functionality The accompanying CD-ROM contains a complete trial version of IBM® DB2® Universal Database Personal Edition Version 8.1, for Windows® Operating Environments, Evaluation Copy, plus the DB2 demonstration program for trying out the various SQL commands on your own machine. If you're an experienced DB2 professional who's ready to take DB2 Version 8 to the max, DB2 Version 8: The Official Guide is the book you've been searching for. A practical guide to DB2 z/OS database administration that is 100 percent focused on running DB2 in z/OS environments The only comprehensive preparation guide for the IBM Certified Database Administrator for DB2 Universal Database V8 z/OS certification Covers database planning, design, implementation, operation, recovery, security, performance, installation, migration, and more Sample test questions help you prepare for both IBM DB2 DBA Tests 700 and 702 IBM DB2 Universal Database Version 8 for z/OS offers enterprises unprecedented opportunities to integrate information, deliver it on demand, and manage it simply and cost-effectively. Now, one of the world's leading DB2 consultants presents the definitive guide to administering DB2 UDB V8 databases in z/OS environments. DB2 for z/OS Version 8 DBA Certification Guide also serves as a key tool for anyone preparing for IBM Certified Database Administrator for DB2 Universal Database V8 for z/OS certification. IBM Gold Consultant Susan Lawson presents hundreds of practical techniques, expert guidelines, and useful tips for every facet of DB2 UDB database administration, including database implementation, operation, recovery, security, auditing, performance, installation, migration, SQL, and more. Coverage

includes Understanding the DB2 product family, architecture, attachments, and the DB2 z/OS environment Securing enterprise-class DB2 installations and applications Using SQL to create and manage database objects, and manipulate and retrieve information Mastering key DBA tasks, including loading, reorganizing, quiescing, repairing, and recovering data; recovering and rebuilding indexes; and gathering statistics Implementing data sharing in Parallel Sysplex environments Learning the fundamentals of DB2 application development from the DBA's perspective Leveraging advanced DB2 functions, including stored procedures and other object-relational extensions Optimizing DB2 applications and the DB2 engine for maximum performance Whether you are administering DB2 UDB V8 in z/OS environments, planning to do so, or preparing for DB2 UDB V8 DBA certification, DB2 for z/OS Version 8 DBA Certification Guide will be your single most valuable resource. Thoroughly updated, this new edition presents proven techniques required to produce DB2 applications with high-performance characteristics. It is a concise, easy-to-read guide--understandable to beginners as well as seasoned professionals. Includes features on the new version of DB2, 2.3. Marketshare for DB2 has been growing steadily over the past five years and with the announcement of DB2 Universal Database V8 (T-Rex), the product has never had more momentum. "This is an excellent book . . . Mullins seems to have dumped his entire DB2 life experience into "DB2 Developer's Guide."--Jonathon Sayles, "Relational Database Journal." DB2 Developer's Guide is the field's #1 go-to source for on-the-job information on programming and administering DB2 on IBM z/OS mainframes. Now, three-time IBM Information Champion Craig S. Mullins has thoroughly updated this classic for DB2 v9 and v10. Mullins fully covers new DB2 innovations including temporal database support; hashing; universal tablespaces; pureXML; performance, security and governance improvements; new data types, and much more. Using current versions of DB2 for z/OS, readers will learn how to: * Build better databases and applications for CICS, IMS, batch, CAF, and RRSF * Write proficient, code-optimized DB2 SQL * Implement efficient dynamic and static SQL applications * Use binding and rebinding to optimize applications * Efficiently create, administer, and manage DB2 databases and applications * Design, build, and populate efficient DB2 database structures for online, batch, and data warehousing * Improve the performance of DB2 subsystems, databases, utilities, programs, and SQL stat DB2 Developer's Guide, Sixth Edition builds on the unique approach that has made previous editions so valuable. It combines: * Condensed, easy-to-read coverage of all essential topics: information otherwise scattered through dozens of documents * Detailed discussions of crucial details within each topic * Expert, field-tested implementation advice * Sensible examples DB2 SQL developers now have a handy reference guide with tuning tips to improve performance in queries, programs and applications. Poorly coded programs or improperly coded SQL statements are often the culprit causing poor performance. Many developers working with an IBM DB2 relational database will benefit from this guide, entitled 'DB2 SQL 75+ Tuning Tips For Developers'. The book's focus is to increase developers' knowledge in the ways of performance and tuning in an IBM DB2 relational database environment. In an organized and easy-to-understand format, the guide provides development and SQL tips that will help developers improve performance problems. By modifying application and SQL code, understanding Runstat options, or adding and altering indexes, there are many things that developers can do to resolve performance issues. This book provides development tips and suggestions, along with many SQL coding examples, all with the purpose of gaining better performance. Written with the needs of CICS and COBOL programmers in mind, this book provides all the information necessary for efficient data access in DB2 databases. Also includes all the SQL statements and their functions and use. This book is your first step to learning PL/SQL in IBM DB2. Yes, it is PL/SQL in IBM DB2! PL/SQL used to be an exclusive database procedural language to the Oracle database, now is available in IBM DB2. DB2 Developer's Guide is the field's #1 go-to source for on-the-job information on programming and administering DB2 on IBM z/OS mainframes. Now, three-time IBM Information Champion Craig S. Mullins has thoroughly updated this classic for DB2 v9 and v10. Mullins fully covers new DB2 innovations including temporal database support; hashing; universal tablespaces; pureXML; performance, security and governance improvements; new data types, and much more. Using current versions of DB2 for z/OS, readers will learn how to: * Build better databases and applications for CICS, IMS, batch, CAF, and RRSF * Write proficient, code-optimized

DB2 SQL * Implement efficient dynamic and static SQL applications * Use binding and rebinding to optimize applications * Efficiently create, administer, and manage DB2 databases and applications * Design, build, and populate efficient DB2 database structures for online, batch, and data warehousing * Improve the performance of DB2 subsystems, databases, utilities, programs, and SQL stat DB2 Developer's Guide, Sixth Edition builds on the unique approach that has made previous editions so valuable. It combines: * Condensed, easy-to-read coverage of all essential topics: information otherwise scattered through dozens of documents * Detailed discussions of crucial details within each topic * Expert, field-tested implementation advice * Sensible examples DB2® 9 builds on the world's number one enterprise database to simplify the delivery of information as a service, accelerate development, and dramatically improve operational efficiency, security, and resiliency. Now, this new edition offers complete, start-to-finish coverage of DB2 9 administration and development for Linux®, UNIX®, and Windows® platforms, as well as authoritative preparation for the latest IBM DB2 certification exam. Written for both DBAs and developers, this definitive reference and self-study guide covers all aspects of deploying and managing DB2 9, including DB2 database design and development; day-to-day administration and backup; deployment of networked, Internet-centered, and SOA-based applications; migration; and much more. You'll also find an unparalleled collection of expert tips for optimizing performance, availability, and value. Coverage includes: Important security and resiliency enhancements, including advanced access control; fine-grained, label-based security; and the new security administrator role Breakthrough pureXML™ features that make it easier to succeed with service-oriented architecture Operational improvements that enhance DBA efficiency--including self-tuning memory allocation, automated storage management, and storage optimization Table-partitioning features that improve scalability and manageability Powerful improvements for more agile and rapid development, including the new Eclipse-based Developer Workbench and simple SQL or XQuery access to all data Whatever your role in working with DB2 or preparing for certification, DB2 9 for Linux, UNIX, and Windows, Sixth Edition is the one book you can't afford to be without. Download Complete DB2 V9 Trial Version Visit ibm.com/db2/9/download.html to download a complete trial version of DB2, which enables you to try out dozens of the most powerful features of DB2 for yourself: everything from pureXML support to automated administration and optimization. Straight from IBM, the ultimate guide to running DB2 9 and preparing for the latest IBM DB2 certification exam! Covers powerful DB2 9 enhancements ranging from automated management to improved compression Covers the full spectrum of DBA responsibilities, including server management, data placement, XML concepts, activity analysis, high availability, and security Presents expert tips and best practices from the DB2 customer support organization Don Chamberlain, creator of SQL, brings us the first and most authoritative guide available for DB2, version 2, for personal computer and workstation platforms. Written for the beginning and advanced user, this easy to read tutorial on system features provides insights about the new paradigms emerging from the combination of relational database management systems and object-oriented technologies. -- Structured Query Language (SQL) is critical to DB2 -- SQL is a standardized query language for requesting information from a database. Although there are different dialects of SQL, it is nevertheless the closest thing to a standard query language that currently exists. -- DB2 Market Share -- IBM's DB2 database took the lead in the database market in license revenue for 1998. Now controlling 32.3% of the market. -- DB2 -- Or, Database 2, is a family of relational database products offered by IBM, and it runs on a wide variety of computing platforms, including Windows, UNIX, and OS/2. Using SQL, users can obtain data simultaneously from DB2 and other databases. -- Hands-on information -- Shows readers how to develop DB2 applications using embedded SQL. Walks readers through the basic steps needed to build, test, and debug embedded SQL applications that communicate with DB2 databases. -- Full explanation -- Each SQL statement available will be explained in detail and tested with C++ and JAVA programming examples that illustrate how to embed each SQL statement in an application source code. This will be available both in the book, and on the disc. -- Valuable CD-ROM -- The disc contains the latest version of IBM DB2 Universal Server, plus all of the code from the book and extra development tools and utilities. Approximately 350 Java and C++ example programs are provided in this book.