Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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dashDB SQL for Subqueries, Functions, Procedures, and Performance

CODE:	LENGTH:	PRICE:
K04009G	8 Hours	€245.00

Description

This course is intended for Developers, Database Administrators, and System Programmers who require further insight into the SQL language.
Note: Guided eLearning is a self-paced offering which includes web-based content for self-study and videos (including audio) that demonstrate activities.
If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course. http://www.ibm.com/training/terms

Objectives

Please refer to course overview

Audience

This course is intended for Developers, Database Administrators, and System Programmers who require further insight into the SQL language.

Prerequisites

dashDB SQL for Basic Queries (K04001) dashDB SQL for tables, views, advanced queries, and analytic constructs (K04004) Or equivalent experience or knowledge

Programme

1.Using Subqueries Subquery in a basic predicate Subquery with IN predicate Subquery with a NOT IN predicate Subquery with ORDER BY Subquery with ALL predicate Subquery with ANY or SOME predicate Subquery with EXISTS predicate Activity SQL challenges2. Using correlated subqueries Correlated subquery with an EXISTS predicate Scalar fullselect as a correlated subquery Update statement including a subquery Activity SQL Challenges3. Scalar functions (other than DATE/TIME functions) Scalar function SUBSTR substring Scalar function POSSTR string position Scalar function COALESCE/VALUE Scalar function DECIMAL Scalar function ROUND Scalar function DIGITS Scalar function SQRT and POWER Scalar function CHAR with arguments other than date/time Scalar function LENGTH Scalar functions LTRIM/RTRIM Left TRIM/Right Trim Activity SQL challenges4. Scalar functions DATE/TIME functions DATE, TIME, and TIMESTAMP formats Scalar function CHAR with date/time arguments Scalar functions date related (part 1) Scalar functions date related (part 2) Scalar functions time related Labelled DATE/TIME durations Activity SQL challenges5. Table expressions Nested table expressions Nested table expressions in Joins Common table expressions (CTEs) SQL challenges6. Recursive SQL SQL challenges7. Introduction to UDTs, UDFs, and stored procedures User-defined distinct Types (UDTs) User-defined functions (UDFs) Sourced user-defined functions External user-defined functions User-defined SQL functions User-defined stored procedures Activity SQL challenges8. SQL and dashDB performance Note on indexes dashDB optimizer Index overview Clustered and non-clustered indexes Index utilization Predicate processing General guidelines correlated subqueries General guidelines minimize dashDB sorts General guidelines view usage General guidelines expressions General guidelines NOT EQUAL predicates General guidelines arithmetic General guidelines conversion General guidelines retrieve only necessary data Monitor the SQL workload and use the EXPLAIN facility SQL challenges

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
28 Mar 2024			English	Web based Training		€245.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.