



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# dashDB for Tables, Views, Advanced Queries, and Analytic Constructs - eLearning

CODE:	LENGTH:	PRICE:
K04004G	1 day(s)	€310.00

## Description

This course teaches developers, database administrators, and system programmers various features of SQL, including object creation and alteration, views, advanced queries, and analytic constructs.

**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 courses overview

## Audience

Developers, Database Administrators, System Programmers

## Prerequisites

Students taking this course should have the following prerequisite skills:

- Ability to write basic SQL SELECT statements, including a SELECT list, FROM clause, WHERE clause, GROUP BY clause, HAVING clause, and ORDER BY clause.
- Ability to perform basic SQL INSERT, UPDATE, and DELETE operations.
- Ability to utilize basic SQL scalar functions, such as the DECIMAL function, and SQL column functions, such as SUM.
- Ability to write basic non-correlated subqueries. Students may obtain these skills by taking the dashDB SQL for Basic Queries and the dashDB for Functions, Grouping, Union, Subqueries, and Updates courses, or through equivalent experience.

## Programme

1. Review of SQL• Selecting rows and columns• LIKE and the ESCAPE clause• Column functions• Summarizing group values• Activity• SQL challenges2. OLAP functions• Super groups• GROUP BY ROLLUP• GROUP BY CUBE• Grouping function• GROUP BY grouping sets• OLAP functions for ranking• Activity• SQL challenges3. Create and modify tables• Creating tables and adding columns• Activity4. Constraints and indexes• Check Constraints• Indexes, unique, and primary keys• Referential integrity• Information integrity constraints• Activity• SQL challenges5. Triggers• Triggers • More on triggers• Activity• SQL challenges6. MERGE• MERGE• Activity7. Views - basics• Views• Activity8. Views - additional features• INSTEAD OF triggers• CHECK option• View merge• View materialization• Activity• SQL challenges9. Joins• Join (original syntax)• Inner Join (newer syntax)• Outer joins• LEFT OUTER JOIN• RIGHT OUTER JOIN• FULL OUTER JOIN• Anti-join• Joins of more than two tables• Joins and local predicates• Activity• SQL Challenges10. UNION and UNION ALL• UNION and UNION ALL• Activity11. EXCEPT and INTERSECT• EXCEPT and INTERSECT• Activity• SQL challenges12. CASE and CAST• Case• CAST• Activity• SQL challenges13. Summary (Materialized Query) Tables and Temporary Tables• Summary tables and Materialized Query Tables (MQTS)• Temporary tables• Activity

## Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEurl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Aug 2022			English	Web based Training		€310.00

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)