



MICROSOFT TRAINING

Microsoft Sql Developent Training Certification Courses

*Master SQL database development, querying, and administration with Microsoft's expert training.
Become a skilled SQL developer.*

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the power of data with our Microsoft SQL Development Training Certification Courses. This intermediate-level program is meticulously designed by Computer Pride to equip you with the essential skills for developing robust and efficient databases using Microsoft SQL Server. You will delve deep into Transact-SQL (T-SQL) for writing complex queries, stored procedures, functions, and triggers, mastering data manipulation and definition language. Beyond core scripting, the course also covers crucial aspects of database design, implementation, and optimization, ensuring you can build scalable and high-performing data solutions. By the end of this course, you will be proficient in managing and querying relational data, preparing you for real-world database development challenges.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to SQL Server and T-SQL Fundamentals

- Understanding SQL Server Architecture
- Introduction to Transact-SQL (T-SQL)
- Querying Data with SELECT Statements
- Filtering and Sorting Data
- Working with Joins and Subqueries

02 Module 2: Data Manipulation and Advanced Querying

- Inserting, Updating, and Deleting Data
- Using Aggregate Functions and Grouping Data
- Implementing Stored Procedures for Data Access
- Creating and Managing Views
- Working with Common Table Expressions (CTEs)

03 Module 3: Database Objects and Programmability

- Designing and Implementing Tables
- Understanding Data Types and Constraints
- Creating User-Defined Functions (UDFs)
- Implementing Triggers for Data Integrity
- Managing Indexes for Performance

04 Module 4: Error Handling, Transactions, and Performance Tuning Basics

- Implementing Error Handling with TRY...CATCH
- Understanding Transactions and Concurrency Control
- Introduction to Query Execution Plans
- Basic Performance Optimization Techniques
- Backup and Restore Fundamentals

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior SQL Developer**
- > **Database Report Developer**
- > **Data Analyst (with a strong SQL focus)**

FREQUENTLY ASKED QUESTIONS

Q: What kind of projects will I be able to build or contribute to after completing this Microsoft SQL Development course?

Upon completion, you will be capable of developing complex T-SQL queries for reporting and data extraction, creating efficient stored procedures for business logic, designing and implementing database tables, and contributing to the maintenance and optimization of SQL Server databases within various applications, from web platforms to enterprise resource planning (ERP) systems.

Q: Are there any specific prerequisites recommended before enrolling in this intermediate Microsoft SQL Development course?

Yes, while this is an intermediate course, a basic understanding of relational database concepts and fundamental SQL syntax (e.g., basic SELECT, INSERT, UPDATE, DELETE statements) is highly recommended. Familiarity with any programming logic would also be beneficial, though not strictly required, as the course progresses quickly into more advanced T-SQL scripting and database design principles.

Q: How does this specific Microsoft SQL Development course prepare me for roles focused on data analysis or business intelligence?

This course lays a strong foundation for data analysis and business intelligence roles by teaching you how to efficiently extract, transform, and load (ETL) data using advanced T-SQL techniques. You'll gain proficiency in creating powerful queries for reporting, developing views for aggregated data, and understanding how to structure databases that support analytical needs, making you an invaluable asset in data-driven environments.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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