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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Beginner

Course Duration: 3 Days

Introduction to SQL Databases



About This Course:

Introduction to SQL Databases gives learners a practical foundation in relational databases and Structured Query Language (SQL), the standard language for working with data. The course starts with core database concepts, including tables, rows, columns, keys, and relationships, then moves into writing real queries.

Course Objectives:

- Explain how relational databases store and organize data
- Write SQL queries to retrieve, filter, and sort data
- Use aggregate functions and GROUP BY to summarize results
- Combine data from multiple tables using joins
- Insert, update, and delete records
- Apply basic database design concepts such as primary and foreign keys

Audience:

- Beginners with no prior database or programming experience
- Business and data analysts who need to pull and analyze data directly
- Aspiring developers, database administrators, and data professionals
- Report writers and BI users who want to understand the data behind their tools
- IT professionals who work alongside database teams

Prerequisites:

- None. Basic computer skills and familiarity with working with data in tools like Excel will be helpful, but no prior SQL or programming knowledge is required.

Course Outline: