

SQL Master Course Curriculum

Master SQL from beginner to advanced level. Learn joins, CTEs, window functions, stored procedures, performance tuning, and real-world projects.

Course Overview

Duration: 6 Weeks

Level: Beginner to Advanced

Projects: 5 Real-World Projects

Certificate: Course Completion Certificate

Module 1 – SQL Fundamentals

- Database Concepts
- SELECT Statements
- WHERE Clause
- ORDER BY
- DISTINCT

Module 2 – SQL Joins

- INNER JOIN
- LEFT JOIN
- RIGHT JOIN
- FULL JOIN
- SELF JOIN

Module 3 – Aggregations

- COUNT, SUM, AVG
- MIN, MAX
- GROUP BY
- HAVING

Module 4 – Advanced SQL

- Subqueries
- CTEs
- Window Functions
- CASE Statements

Module 5 – Stored Procedures

- Procedures
- Functions
- Triggers
- Views

Module 6 – Performance Tuning

- Indexes
- Query Optimization
- Execution Plans
- Best Practices

Projects

- Sales Analytics Dashboard
- Banking Database Project
- E-Commerce Analytics
- KPI Reporting Database
- Supply Chain Reporting

Certificate

Receive a professional certificate after completing all modules and projects.