COURSE SYLLABUS

SQL Certification (Self-Paced)

Learn to extract information from databases by writing SQL queries, joining tables, aggregating data, and filtering results. You'll learn PostgreSQL in this class, but the concepts apply equally to other databases such as SQL Server and MySQL.

Group classes (Live Online) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.com/certificates/sql-certification-self-paced



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Course Outline

This package includes these courses

SQL Course Online (Self-Paced) (18 Hours)

SQL Course Online (Self-Paced)

Learn how to extract, filter, and manipulate data using SQL. This course covers PostgreSQL fundamentals, database querying, table joins, and advanced techniques for handling large datasets.

- Write SQL queries to retrieve, filter, and sort data efficiently
- Use joins to combine information from multiple tables and establish relationships
- Apply aggregate functions like SUM, COUNT, AVG, and GROUP BY to summarize data
- Work with subqueries, conditional logic (CASE statements), and advanced string functions
- Optimize queries using indexes, data type conversions, and best practices
- Explore views and user-defined functions to streamline database management