



ADEMIZE SOLUTIONS

Course Outline

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ADEMIZE.COM

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Welcome to our Course

SQL (Structured Query Language) is an essential tool for testers, enabling them to interact directly with databases to verify data integrity, validate application behavior, and troubleshoot issues.

SQL empowers testers to take a more proactive and in-depth approach to testing, leading to higher quality software. By understanding and utilizing SQL, testers can significantly improve their effectiveness and contribute to the overall success of the development process.

To equip software testers with the necessary SQL skills to effectively validate data integrity, perform database testing, and enhance their testing capabilities.





What you will learn in this Course

- Ø Install Database, Create table & record
- Ø Data Validation.
- Ø Backend Testing.
- Ø Common SQL Commands Used by Testers.
- Ø You will gain the ability to design any complex SQL to query a database.
- Ø In depth understanding of GROUP BY, Subqueries, aggregate functions, SQL Server functions, HAVING clauses.
- Ø Understand the difference between the INNER JOIN, LEFT/RIGHT OUTER JOIN, and FULL OUTER JOIN.
- Ø Create or interact with existing databases and test the Database for schema validations.

Benefits of SQL for Testers

- ∅ Increased test coverage: SQL allows testers to verify data at a granular level.
- ∅ Improved efficiency: Testers can quickly retrieve and analyze data without relying on application interfaces.
- ∅ Enhanced accuracy: SQL provides precise control over data manipulation and validation.
- ∅ Better communication: Testers can provide developers with specific and detailed information about database issues.



THE KEY TAKEAWAYS FOR THE COURSE

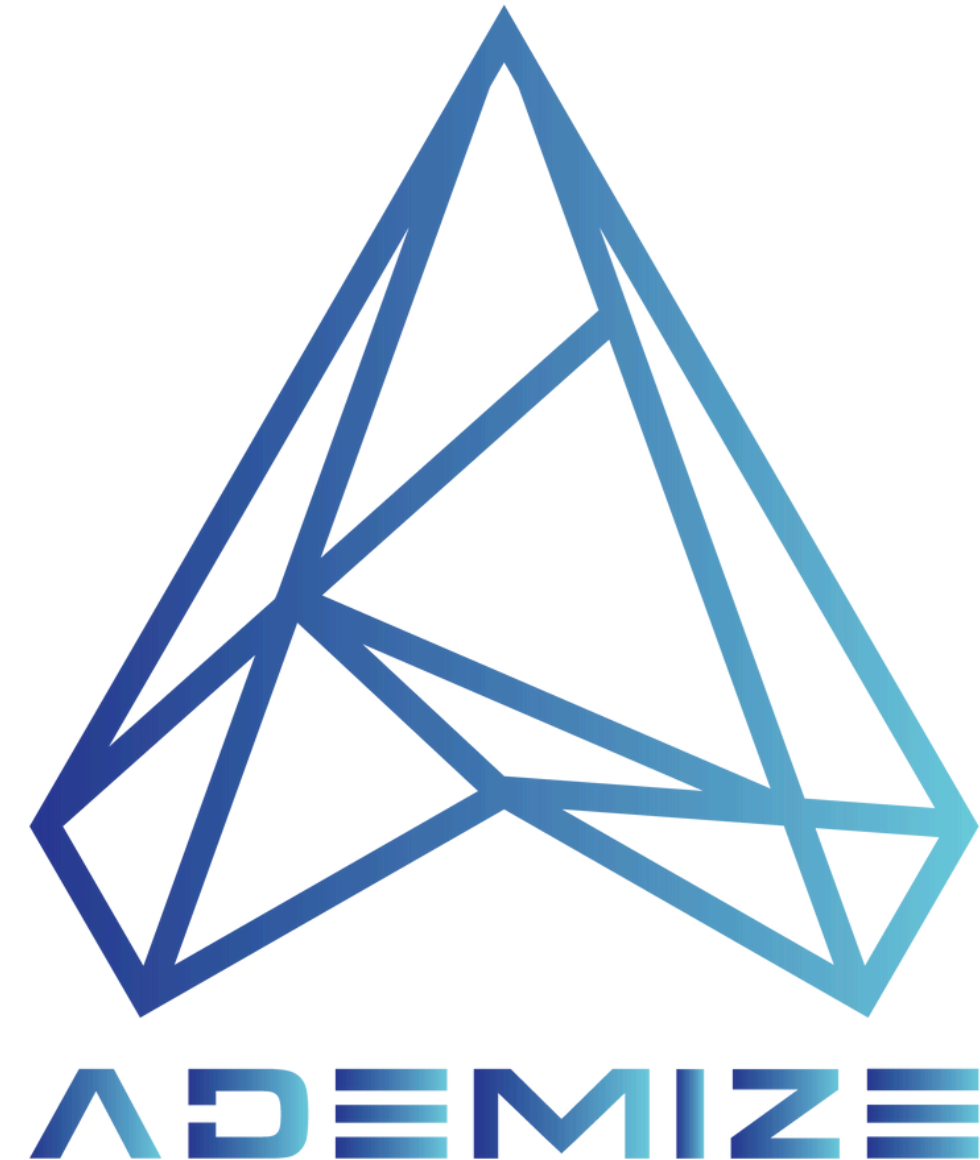
- ✓ Always be learning
- ✓ Know that you don't know
- ✓ Ask for Help if necessary
- ✓ There's always a solution



Course Outline

CONTENT

- ∅ Introduction to SQL.
- ∅ MySQL Overview.
- ∅ Start up commands to Setup Database and Tables.
- ∅ Database testing to validate Schema.
- ∅ Altering Table Schema operations.
- ∅ Queries to retrieve Data Logical operators on Queries.
- ∅ Wild cards usage in Queries.
- ∅ SQL Functions with real time scenarios.
- ∅ Importance of Group By in SQL.
- ∅ Advanced SQL Concepts.
- ∅ Subqueries syntax and usage.
- ∅ SQL Joins usage and its advantages.
- ∅ Importance of views in Database –
- ∅ SQL String functions.
- ∅ Data constraints with Database Testing perspective.
- ∅ Practice Exercises for Interviews with Solutions.





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About Ademize

Learn . Grow . Succeed

Ademize Solutions is a US based IT Development & IT Training company committed to provide end-to-end IT Development Solutions and IT Training for becoming best IT Engineer.



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