

# SQL Basics – SELECT Queries & Filtering Guide

## ■ Mini Guide / Hints

- Use SELECT \* and specific columns
- Apply WHERE, AND, OR, LIKE, BETWEEN
- Sort with ORDER BY

## ■ Outcome

Clear understanding of how to retrieve data from SQL tables.

## ■ Interview Questions

- 1 What does SELECT \* do?
- 2 How do you filter rows?
- 3 What is LIKE '%value%'?
- 4 What is BETWEEN used for?
- 5 How do you limit output rows?
- 6 Difference between = and IN
- 7 How to sort in descending order?
- 8 What is aliasing?
- 9 Explain DISTINCT.
- 10 What is the default sort order?

## ■ Task 3: Writing Basic SELECT Queries

Objective: Extract data from one or more tables. Tools: DB Browser for SQLite / MySQL Workbench

Deliverables: SQL script with SELECT, WHERE, ORDER BY, LIMIT

## ■ Key Concepts

Filtering, Projection

## ■ Task Submission Guidelines

- Time Window: Complete the task between 10:00 AM to 10:00 PM on the given day.
- Self-Research Allowed: Use online resources to understand concepts.
- Debug Yourself: Try to resolve all errors on your own.
- No Paid Tools: Use only free tools or alternatives.
- GitHub Submission: Create a new GitHub repository for each task, including code, datasets, screenshots, and a README.md.
- After completing the task, paste your GitHub repo link and submit it via the given link.