Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

DATA & AI

SQL

SAMPLE PROJECT

Customer Orders Report



COURSE FEE

₹7,000

JAIPUR, RAJASTHAN

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SQL

Core concepts



01	Relational models, tables and constraints
02	SELECT, WHERE, ORDER BY and NULL logic
03	Aggregation, GROUP BY and HAVING

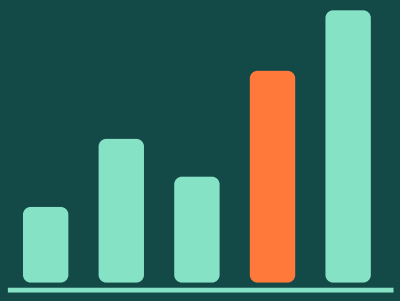
Define success

Select a dataset and decide how to measure a useful result.

SQL

Applied skills

- **Source data**
- **Baseline**
- **Validation**



04 Joins, subqueries and common table expressions

05 Window functions and transaction basics

06 Views, indexes and query plan interpretation

PROJECT DELIVERABLES

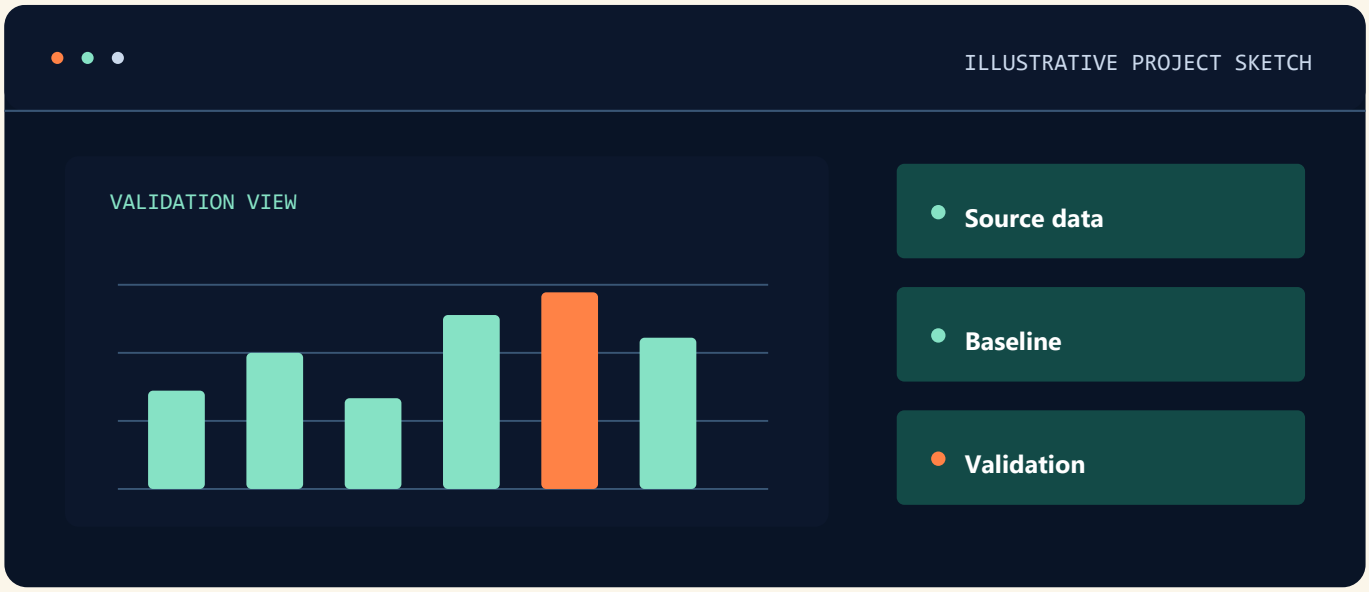
A reproducible analysis or demo, validation checks and a short findings summary.

SQL

Portfolio project

Customer Orders Report

Write reusable queries that explain sales by customer, product and month across related tables.



Define success

Select a dataset and decide how to measure a useful result.

Validate results

Compare against a baseline or trusted total and explain any discrepancy.

A reproducible analysis or demo, validation checks and a short findings summary.

SQL

Course fees

COURSE FEE

₹7,000

Contact admissions for class timings and enrolment details.

ADMISSIONS

+91 70146 92039

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SCAN FOR MAP

Check course details

SQL

Course content

MODULES 01–02

01

Lessons & practice

- Relational models
- Tables
- Constraints

HANDS-ON Create linked customer and order tables with primary and foreign keys.

02

Lessons & practice

- SELECT
- WHERE
- ORDER BY
- NULL logic

HANDS-ON Write filtering and sorting queries that handle NULLs consciously.

SQL

Course content

MODULES 03–04

03

Lessons & practice

- Aggregation
- GROUP BY
- HAVING

HANDS-ON Group sales by product and filter aggregate results with HAVING.

04

Lessons & practice

- Joins
- Subqueries
- Common table expressions

HANDS-ON Compare a join with a CTE or subquery for the same business question.

SQL

Course content

MODULES 05–06

05

Lessons & practice

- Window functions
- Transaction basics

HANDS-ON Use a window function for running totals and test a transaction rollback.

06

Lessons & practice

- Views
- Indexes
- Query plan interpretation

HANDS-ON Inspect a query plan and compare results with and without a suitable index.