

Catalog / Roadmaps / SQL Roadmap for Data Analysis

SQL Roadmap for Data Analysis

Learn SQL to analyse and manipulate large data with our real-world case studies-based practical course. Solve over 200+ query-related exercises. Learn basic Python for advanced data analysis.

公 Coding Problems: 647+

CODECHEF

❤ Total Courses: 6

Syllabus

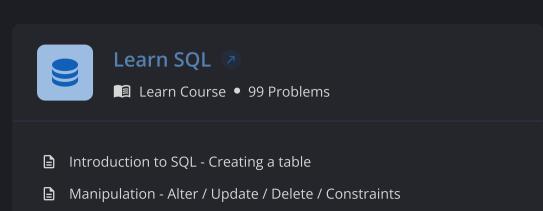
Reviews (3)

FAQs



Learn to write queries

Start the journey with getting a strong command over SQL. The faster you are with the syntax, the more you can spend time thinking about the right logic to apply.



Start Roadmap Now

√ 50k+ learners enrolled already

- ☆ 6 courses
- 647 problems

Any pre-requisites required to start?

None

IN THIS ROADMAP

Learn SQL

Learn Advanced SQL

- Practice project: Supermarket customers

 Queries on Select, Distinct, Where and Between

 Logical statements with 'Where'

 Miscellaneous queries

 Practice project: Food delivery

 Aggregate functions count, max, min, round
 - Aggregate functions sum, avg
 - Group by
 - Having
 - Practice project: Student database



SQL Online Test and Quiz 🗷

Skill test • 17 Questions • 1 Hrs



Learn to analyse complex data

Learn advance querying techniques like joins, sub queries and set operations to put yourself on the path to mastery in SQL.

SQL Practice Queries

SQL at Work

SQL case studies

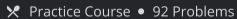
Top SQL Interview Questions



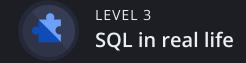
- Multiple tables
- Normalization and ER diagrams
- Subqueries
- Set Operations
- Aggregates continued
- Window Functions
- Practice case studies



SQL Practice Queries



- Basic Commands
- Case Study CodeChef Database
- Case Study ABC Cab booking App
- Case Study Happy Haven House Rental App
- 🖹 Case Study Library Management System



Solve real world problems

As you now have much better understanding of advanced concepts, let us practice the real life case studies with SQL.



SQL at Work

■ Learn Course • 53 Problems

- Analytics using SQL
- **Case study: Business**
- **a** Case study: Operations
- Case study: Marketing



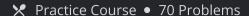
SQL case studies

X Practice Course ● 192 Problems

- Case Study Cinema Hall
- Case Study Online Education Courses
- Case Study Fantasy Role Playing Game
- **Case Study Company Recession**
- Case Study Sales Analysis of E-commerce Platform
- 🖹 Case Study Music App



Top SQL Interview Questions



- SELECT statements and basic querying
- Joins (INNER, LEFT, RIGHT, FULL OUTER)
- Aggregation functions (COUNT, SUM, AVG, etc.)
- **GROUP BY and HAVING clauses**
- **Subqueries**
- UNION and UNION ALL
- Indexing and query optimization
- Data manipulation (INSERT, UPDATE, DELETE)
- Table creation and data definition language (DDL)
- Window functions
- **Stored procedures and functions**
- Triggers
- Transactions and ACID properties