

SQL Interview Questions

3 Types of SQL Interview Questions

For Junior
Data Analysts



1

Define SQL Terms

You'll be asked about **technical concepts and techniques in SQL**, highlighting their distinct **characteristics**, and demonstrating their **practical applications** with relevant examples.

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Commonly asked SQL Terms



1. Constraints - Types, when and why are they used?

2. Cursor - When to use them, how to avoid them?

3. Index - Clustered vs non-clustered?

4. ETL - Extract, Transform and Load?



Commonly asked SQL Terms



5. Normalization vs Denormalization - benefits and use cases?

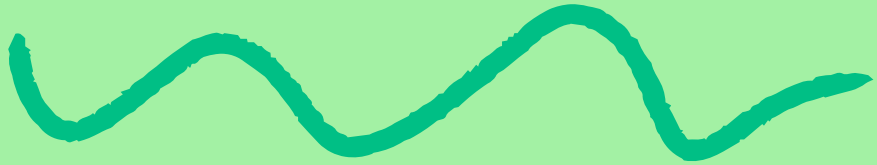
6. RDBMS vs DBMS (functions, storage and data types)

7. JOINS (inner, outer, left, right)

**8. DROP, TRUNACTE & DELETE
- what is the difference?**



Commonly asked SQL Terms



9 . CTE (Common Table Expression)

10. Window Functions (LAG, LEAD, PARTITION BY)

11. Stored Procedures

12. Primary key vs foreign keys



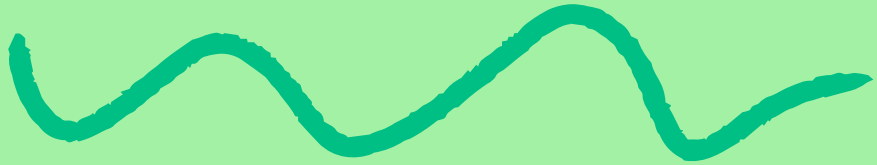
2 Write SQL Queries

You'll be provided with one or more tables and asked to **write queries** to retrieve and / or manipulate the data.

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Functions to practice



1. JOINS - Inner, outer/full, left, right

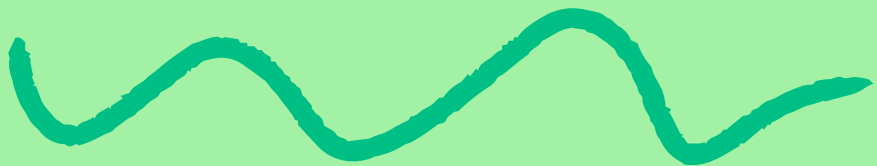
2. INSERT, UPDATE, DELETE

3. ORDER BY, GROUP BY, HAVING, CASE WHEN

4. Aggregate functions - SUM, MIN, MAX, COUNT, AVG



Functions to practice



**5. DISTINCT, IFNULL/ISNULL,
COALESCE**

6. Wildcards

7. TOP, LIMIT

8. UNION, UNION ALL, EXCEPT

9. Subqueries



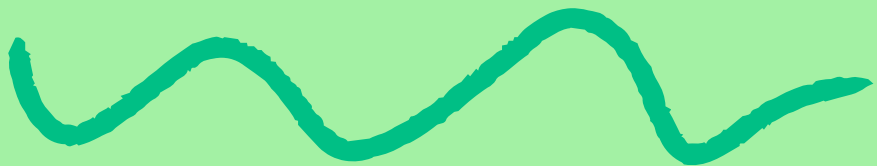
3' Analyse SQL Queries

You'll be given a SQL query and asked to **read, interpret, or debug.**

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Types of questions



1. Predict the result of the query

2. Debug the code

3. Sort clauses in the order of execution

4. Optimize / shorten the query



■ Do not worry

Tips to set you up for

SUCCESS

- Understand the concepts
- Practice with real world data (you can find datasets on Kaggle)
- Find the data relevant to the industry you are applying for
- Understand reading someone else's code