

SQL Questions for Data Science Interviews

- Defining the database purpose
- Collecting & defining users' requirements
- Creating a conceptual model
- Creating the logical model
- Creating the physical model
- Using SUM(), COUNT(), AVG(), MIN(), MAX(), & other aggregate functions
- GROUP BY
- CASE WHEN statement
- WHERE & HAVING
- JOINS
- UNION & UNION all
- DISTINCT
- NOT NULL
- CHECK

- UNIQUE
- PRIMARY KEY
- FOREIGN KEY
- Subqueries
- Joins & self-joins
- Window functions
- CTEs
- GROUP BY extensions (ROLLUP, CUBE, GROUPING SETS)
- Data Definition Language (DDL) keywords
- Data Manipulation Language (DML) keywords
- Data Control Language (DCL) keywords
- Transaction Control Language (TCL) keywords
- SQL constraints
- JOINS
- Indexes
- Transactions
- Views
- User-Defined functions
- Stored procedures
- Triggers
- Variables
- Query optimization

SQL