**SQL Interview Questions**

1. [What is the difference between SQL and MySQL?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#sqlvsmysql)
2. [What are the different subsets of SQL?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#subsetsofsql)
3. [What do you mean by DBMS? What are its different types?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#whatisdbms)
4. [What do you mean by table and field in SQL?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#tablefieldinsql)
5. [What are joins in SQL?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#joinsinsql)
6. [What is the difference between CHAR and VARCHAR2 datatype in SQL?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#charvsvarchar)
7. [What is the Primary key?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#primarykey)
8. [What are Constraints?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#constraints)
9. [What is the difference between DELETE and TRUNCATE statements?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#deletevstruncate)
10. [What is a Unique key?](https://www.edureka.co/blog/interview-questions/sql-interview-questions#uniquekey)
11. What are some common clauses used with SELECT query in SQL?
12. What is a Self-Join?
13. What are UNION, MINUS and INTERSECT commands?
14. Write the SQL query to get the third maximum salary of an employee from a table named employees.

Employee table

|  |  |
| --- | --- |
| employee\_name | salary |
| A | 24000 |
| C | 34000 |
| D | 55000 |
| E | 75000 |
| F | 21000 |
| G | 40000 |
| H | 50000 |

### **What is the difference between the RANK() and DENSE\_RANK() functions?**

1. What is constraint and explain types of constraints.
2. What is the difference between NOW() and CURRENT\_DATE()?
3. How to remove duplicate rows in SQL?
4. How to find the nth highest salary in SQL?

Employee table

|  |  |
| --- | --- |
| employee\_name | salary |
| A | 24000 |
| C | 34000 |
| D | 55000 |
| E | 75000 |
| F | 21000 |
| G | 40000 |
| H | 50000 |

### **What are joins in SQL?**

1. Difference between PRIMARY KEY and foreign key.
2. **What is the difference between DELETE and TRUNCATE statements?**
3. Difference between Primary key and unique key.
4. **What do you mean by normalization?**
5. **What do you mean by Denormalization?**
6. **What are Entities and Relationships?**
7. What are the advantages of normalization?
8. **What is the difference between DROP and TRUNCATE commands?**
9. **Explain different types of Normalization.**
10. How many Aggregate functions are available in SQL?
11. What is the default ordering of data using the ORDER BY clause? How could it be changed?
12. How do we use the DISTINCT statement? What is its use?
13. **What is the ACID property in a database?**
14. **What are the different operators available in SQL?**
15. **Are NULL values same as that of zero or a blank space?**
16. **What is subquery in SQL?**
17. **What are the different types of a subquery?**
18. **Write a SQL query to find the names of employees that begin with ‘A’?**
19. **What is the need for group functions in SQL?**
20. **How can you insert NULL values in a column while inserting the data?**
21. **What is the main difference between ‘BETWEEN’ and ‘IN’ condition operators?**
22. **What is the difference between ‘HAVING’ CLAUSE and a ‘WHERE’ CLAUSE?**
23. **How can you fetch common records from two tables?**
24. What are the different set operators available in SQL?
25. What is an ALIAS command?
26. How can you fetch alternate records from a table?
27. Name the operator which is used in the query for pattern matching?
28. How can you select unique records from a table?
29. How can you fetch first 5 characters of the string?
30. What is the main difference between SQL and PL/SQL?
31. **What is a View?**
32. **What are Views used for?**