

SQL questions

1. What does SQL stand for?
 - a) Structured Query Language
 - b) Sequential Query Language
 - c) Standard Query Language
 - d) System Query Language
2. Which SQL statement is used to retrieve data from a database?
 - a) GET
 - b) FETCH
 - c) SELECT
 - d) RETRIEVE
3. What is the purpose of the WHERE clause in SQL?
 - a) To group data
 - b) To filter records
 - c) To sort data
 - d) To delete records
4. Which SQL statement is used to remove a table from the database?
 - a) DELETE TABLE
 - b) DROP TABLE
 - c) REMOVE TABLE
 - d) CLEAR TABLE
5. What is the default sorting order of the ORDER BY clause?
 - a) Descending
 - b) Ascending
 - c) Random
 - d) Unsorted
6. How do you select all columns from a table?
 - a) SELECT * FROM table_name;
 - b) SELECT ALL FROM table_name;
 - c) SELECT table_name;
 - d) SELECT COLUMNS FROM table_name;
7. What is the function of the GROUP BY clause?
 - a) To group identical data together
 - b) To filter data
 - c) To sort data

- d) To remove duplicates
8. What will the COUNT(*) function return?
- a) The number of rows in a table
 - b) The number of columns in a table
 - c) The sum of all values in a column
 - d) The highest value in a column
9. Which SQL statement is used to update existing records in a table?
- a) MODIFY
 - b) CHANGE
 - c) UPDATE
 - d) SET
10. How do you delete all records from a table without deleting the table itself?
- a) DELETE TABLE table_name;
 - b) DROP TABLE table_name;
 - c) DELETE FROM table_name;
 - d) REMOVE ALL FROM table_name;
11. What does the HAVING clause do?
- a) Filters groups of data
 - b) Filters individual rows
 - c) Deletes data
 - d) Sorts data
12. Which SQL command is used to create a new table?
- a) CREATE TABLE
 - b) ADD TABLE
 - c) MAKE TABLE
 - d) INSERT TABLE
13. What is the primary key used for in a table?
- a) To uniquely identify a row
 - b) To store only numeric values
 - c) To reference another table
 - d) To speed up queries
14. How do you add a new column to an existing table?
- a) MODIFY TABLE table_name ADD column_name;
 - b) UPDATE TABLE table_name ADD column_name;
 - c) ALTER TABLE table_name ADD column_name;
 - d) INSERT INTO table_name ADD column_name;

15. What is a foreign key?
- a) A key that refers to the primary key in another table
 - b) A unique identifier for a row
 - c) A key that stores encrypted data
 - d) A key used to speed up queries
16. Which clause is used to return only distinct values?
- a) DIFFERENT
 - b) UNIQUE
 - c) DISTINCT
 - d) FILTER
17. Which SQL function finds the highest value in a column?
- a) MAX()
 - b) HIGHEST()
 - c) TOP()
 - d) LARGE()
18. Which SQL operator is used to search for a specified pattern in a column?
- a) IN
 - b) LIKE
 - c) MATCH
 - d) SEARCH
19. Which SQL keyword is used to fetch only different values?
- a) UNIQUE
 - b) DISTINCT
 - c) DIFFERENT
 - d) SEPARATE
20. What is the purpose of the JOIN operation in SQL?
- a) To combine rows from two or more tables
 - b) To delete duplicate records
 - c) To create a new table
 - d) To sort data

Answer Key for SQL MCQs

1. a

2. **c**

3. **b**

4. **b**

5. **b**

6. **a**

7. **a**

8. **a**

9. **c**

10. **c**

11. **a**

12. **a**

13. **a**

14. **c**

15. **a**

16. **c**

17. **a**

18. **b**

19. **b**

20. **a**