

1. What does SQL stand for?

Structured Query Language

2. Which SQL statement is used to create a new database?

CREATE DATABASE

3. What SQL command is used to create a new table?

CREATE TABLE

4. How do you select all columns from a table named "Customers"?

SELECT * FROM Customers

5. Which SQL clause is used to filter the results of a SELECT statement?

WHERE

6. What SQL command is used to update data in a table?

UPDATE

7. How do you delete all records from a table named "Orders"?

DELETE FROM Orders

8. What SQL statement is used to insert a new record into a table?

INSERT INTO

9. Which SQL function is used to find the length of a string?

`LENGTH()`

10. What is the result of the SQL expression `SELECT 5 + 3`?

`8`

11. Which SQL function is used to concatenate two or more strings?

`CONCAT()`

12. What SQL keyword is used to sort the result set in ascending order?

`ASC`

13. Which SQL clause is used to combine rows from two or more tables?

`JOIN`

14. What is an INNER JOIN in SQL used for?

`Retrieving matching records from both tables`

15. How do you calculate the average of a column named "Price" in SQL?

`SELECT AVG(Price) FROM table_name`

16. Which SQL statement is used to count the number of rows in a table?

`SELECT COUNT(*) FROM table_name`

17. What SQL clause is used to group rows that have the same values into summary rows?

GROUP BY

18. How do you select distinct values from a column named "City"?

SELECT DISTINCT City FROM table_name

19. What SQL command is used to add a new column to an existing table?

ALTER TABLE

20. How do you retrieve only the first 10 rows from a table named "Products"?

SELECT * FROM Products LIMIT 10

21. What is the purpose of the SQL keyword "AS" in a query?

Alias for column or table names

22. How do you find the highest value in a column named "Salary"?

SELECT MAX(Salary) FROM table_name

23. Which SQL function is used to convert a string to uppercase?

UPPER()

24. What SQL operator is used to combine two or more conditions in a WHERE clause?

AND

25. How do you delete a table from a database?

DROP TABLE table_name

26. Which SQL function is used to find the current date and time?

NOW()

27. What SQL statement is used to retrieve data from multiple tables using a single query?

JOIN

28. How do you update the values in a column named "Quantity" by adding 5 to each value?

UPDATE table_name SET Quantity = Quantity + 5

29. What SQL function is used to find the position of a substring within a string?

CHARINDEX()

30. Which SQL statement is used to remove duplicate rows from a result set?

SELECT DISTINCT

31. How do you create a primary key in a table?

Use the PRIMARY KEY constraint

32. What is the SQL command to add a new row to a table?

```
INSERT INTO table_name
```

33. How do you change the value of a column in an existing row?

```
UPDATE table_name SET column_name = new_value WHERE condition
```

34. What SQL clause is used to limit the number of rows returned in a query result?

```
LIMIT
```

35. How do you find the lowest value in a column named "Age"?

```
SELECT MIN(Age) FROM table_name
```

36. What SQL operator is used to specify a range of values in a WHERE clause?

```
BETWEEN
```

37. How do you rename a table in SQL?

```
ALTER TABLE old_table_name RENAME TO new_table_name
```

38. Which SQL function is used to find the number of characters in a string?

```
LENGTH()
```

39. What SQL command is used to delete a database?

```
DROP DATABASE
```

40. How do you select all records where the "City" column starts with the letter 'N'?

```
SELECT * FROM table_name WHERE City LIKE 'N%'
```

41. What SQL clause is used to specify a condition for grouped rows when using the GROUP BY clause?

HAVING

42. How do you create an index on a table column in SQL?

CREATE INDEX index_name ON table_name(column_name)

43. Which SQL function is used to return the current user's ID?

USER()

44. What SQL statement is used to retrieve only the unique values from a column?

SELECT DISTINCT

45. How do you delete a specific row from a table based on a condition?

DELETE FROM table_name WHERE condition

46. What is the SQL command to change the data type of a column in an existing table?

ALTER TABLE table_name MODIFY column_name new_data_type

47. How do you calculate the sum of values in a column named "Quantity"?

SELECT SUM(Quantity) FROM table_name

48. What SQL function is used to return the current date without time?

CURRENT_DATE()

49. How do you retrieve records where a column contains a specific value in SQL?

SELECT * FROM table_name WHERE column_name = 'value'

50. Which SQL clause is used to sort the result set in descending order?

DESC

51. How do you create a foreign key in a table?

Use the FOREIGN KEY constraint

52. What SQL statement is used to update a column to a null value?

UPDATE table_name SET column_name = NULL

53. How do you select records where a column contains a specific word in SQL?

SELECT * FROM table_name WHERE column_name LIKE '%word%'

54. What SQL function is used to return the current time?

CURRENT_TIME()

55. How do you join two tables based on a common column?

Use the JOIN keyword with ON clause