

## **AWS Database & SQL – Multiple Choice Questions**

### **1. Amazon RDS**

1. Which of the following is a primary benefit of using Amazon RDS?
    - A) Manual hardware management
    - B) Automated backups and patching
    - C) No need for SQL knowledge
    - D) Free unlimited storage
  2. Amazon RDS supports which of the following database engines?
    - A) MySQL, PostgreSQL, Oracle, SQL Server, MariaDB
    - B) MongoDB only
    - C) DynamoDB only
    - D) Redis only
  3. In Amazon RDS, high availability is primarily achieved by:
    - A) Using Multi-AZ deployments
    - B) Increasing CPU
    - C) Using a single EC2 instance
    - D) Disabling backups
- 

### **2. Amazon Aurora**

4. Aurora is a type of:
  - A) NoSQL database
  - B) Relational database compatible with MySQL and PostgreSQL
  - C) Graph database
  - D) Data warehouse
5. Which feature makes Aurora faster than standard MySQL?
  - A) Serverless architecture
  - B) Storage is distributed across multiple availability zones
  - C) Manual scaling
  - D) No replication

---

### 3. Amazon DynamoDB

6. DynamoDB is classified as a:
  - A) Relational database
  - B) Key-Value and Document NoSQL database
  - C) Graph database
  - D) Time-series database
7. In DynamoDB, a partition key:
  - A) Must be unique for every table
  - B) Determines the physical storage of items
  - C) Can only be a string
  - D) Cannot be part of a primary key
8. Which of the following operations can DynamoDB perform?
  - A) Query and Scan
  - B) Join tables
  - C) Execute stored procedures
  - D) Index foreign keys
9. Which of the following is true about DynamoDB?
  - A) It automatically scales throughput
  - B) It uses SQL for queries
  - C) It requires manual sharding
  - D) It doesn't support indexes

---

### 4. Amazon Neptune

10. Neptune is designed primarily for which type of data?
  - A) Graph data
  - B) Tabular relational data
  - C) Key-value pairs
  - D) Flat files
11. Neptune supports which query languages?
  - A) Gremlin and SPARQL

- B) SQL only
- C) MongoDB queries
- D) JSONPath

12. Which Neptune feature ensures durability and fault tolerance?

- A) Replication across multiple AZs
- B) Storing data on a single EC2 instance
- C) No replication
- D) Using manual backups only

---

## 5. SQL Conditional Operators

13. Which SQL operator is used to compare a column to multiple values?

- A) IN
- B) BETWEEN
- C) LIKE
- D) EXISTS

14. Which operator is used to filter rows that are within a certain range?

- A) BETWEEN ... AND ...
- B) IN
- C) LIKE
- D) IS NULL

15. Which operator is used to check for NULL values?

- A) IS NULL
- B) = NULL
- C) LIKE NULL
- D) EXISTS

16. Which operator is used to match a pattern in a column?

- A) LIKE
  - B) IN
  - C) BETWEEN
  - D) EXISTS
-

## 6. SQL Functions

17. Which SQL function returns the number of rows in a table?
- A) COUNT()
  - B) SUM()
  - C) AVG()
  - D) MAX()
18. Which function calculates the average value of a column?
- A) AVG()
  - B) SUM()
  - C) COUNT()
  - D) MIN()
19. Which function returns the maximum value in a column?
- A) MAX()
  - B) MIN()
  - C) SUM()
  - D) AVG()
20. Which SQL function converts all letters in a string to uppercase?
- A) UPPER()
  - B) LOWER()
  - C) CONCAT()
  - D) LENGTH()
21. Which function removes leading and trailing spaces from a string?
- A) TRIM()
  - B) LTRIM()
  - C) RTRIM()
  - D) REPLACE()
- 

## 7. SQL Data Retrieval & Syntax

22. Which keyword is used to remove duplicate rows in a SELECT query?
- A) DISTINCT
  - B) UNIQUE
  - C) DIFFERENT

D) FILTER

23. Which clause is used to sort query results?

- A) ORDER BY
- B) GROUP BY
- C) SORT
- D) HAVING

24. Which clause is used to filter results after grouping?

- A) HAVING
- B) WHERE
- C) FILTER
- D) SORT

25. Which statement retrieves all columns from a table called "Employees"?

- A) SELECT \* FROM Employees;
- B) GET ALL FROM Employees;
- C) SHOW ALL Employees;
- D) FETCH \* Employees;

26. Which operator is used to combine multiple conditions in SQL?

- A) AND / OR
- B) + / -
- C) THEN / ELSE
- D) JOIN / ON

27. How do you rename a column in a SQL query output?

- A) SELECT column\_name AS new\_name
- B) SELECT column\_name RENAME new\_name
- C) SELECT column\_name TO new\_name
- D) SELECT column\_name NAME new\_name

28. Which SQL statement is used to count all records where salary > 5000?

- A) SELECT COUNT() FROM Employees WHERE salary > 5000;
- B) SELECT COUNT(ALL) FROM Employees salary > 5000;
- C) COUNT salary FROM Employees WHERE salary > 5000;
- D) SELECT TOTAL() FROM Employees salary > 5000;

29. Which JOIN type returns all records from the left table and matching records from the right table?

- A) LEFT JOIN
- B) RIGHT JOIN
- C) INNER JOIN
- D) FULL OUTER JOIN

30. Which SQL clause limits the number of returned rows?

- A) LIMIT
- B) TOP
- C) ROWS
- D) FETCH

Answers:

### **Answer Key**

1. B

2. A

3. A

4. B

5. B

6. B

7. B

8. A

9. A

10. A

11. A

12.A

13.A

14.A

15.A

16.A

17.A

18.A

19.A

20.A

21.A

22.A

23.A

24.A

25.A

26.A

27.A

28.A

29.A

30.A