

## DataStax

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# Latest Version: 6.0

## Question: 1

Which list does NOT have valid consistency levels in Cassandra?

Response:

- A. ONE, LOCAL\_ONE, TWO, THREE
- B. QUORUM, LOCAL\_QUORUM, EACH\_QUORUM
- C. REMOTE\_ONE, REMOTE\_QUORUM
- D. ALL, ANY, SERIAL

**Answer: C**

## Question: 2

What happens with the internal in-memory data structures when a row gets updated?

Response:

- A. The data is changed in-place.
- B. The data is immediately written to disk.
- C. A new record is appended, with new data only and nothing changed.
- D. A new appended record will have the old and new data values, and a version number.

**Answer: C**

## Question: 3

When is a materialized view updated?

Response:

- A. After the base table update, super fast.
- B. After the base table update, but with an additional read before write.
- C. After a few hours.
- D. Asynchronously, after a read repair.

**Answer: B**

## Question: 4

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You have a Hotels table with hotel\_id as numeric primary key. Which of the following SELECT queries will fail?

Response:

- A. SELECT \* FROM Hotels WHERE hotel\_id > 14 AND hotel\_id < 100;
- B. SELECT \* FROM Hotels WHERE token(hotel\_id) > 14 AND token(hotel\_id) < 100;
- C. SELECT \* FROM Hotels WHERE hotel\_id IN (14, 15, 223, 3);
- D. SELECT \* FROM Hotels WHERE hotel\_id = 14;

**Answer: A**

### Question: 5

When to use lightweight transactions?

Response:

- A. On concurrent operations using batches.
- B. On insertion operations that must be unique.
- C. With all CRUD operations.
- D. For atomic operations within the same partition.

**Answer: B**

### Question: 6

What is an example of multi-cloud deployment?

Response:

- A. Cassandra in two inter-connected on-premise data centers.
- B. Cassandra in two separate on-premise data centers.
- C. Cassandra in separate AWS and Microsoft Azure virtual machines.
- D. Cassandra in inter-connected AWS and Microsoft Azure virtual machines.

**Answer: C**

### Question: 7

Which CL guarantees a request will not be handled by more than one data center?

Response:

- A. QUORUM

- B. ALL
- C. LOCAL\_ALL
- D. LOCAL\_QUORUM

**Answer: D**

### Question: 8

You have one datacenter cluster with a replication factor of 3. You issue a read request with a consistency level of QUORUM that hits one single partition. What is NOT possible?

Response:

- A. Two replicas must respond to fulfill the read request.
- B. The replica with the most recent version will return the requested data.
- C. The third replica is checked for consistency with the first two.
- D. A read repair will always take place at the end.

**Answer: D**

### Question: 9

In an Application Workflow diagram, Q2 and Q3 both require data collected by a top Q1. Q3 can be split up into Q31 and Q32. Which access patterns are evaluated before Q32?

Response:

- A. Q1 and Q2
- B. Only Q1
- C. Q1 and Q3
- D. Q1 and Q31

**Answer: B**

### Question: 10

How can you define the primary key for a table with country and state as partition keys, city and area as cluster keys?

Response:

- A. PRIMARY KEY (country, state, city, area)
- B. PRIMARY KEY (country, state, (city, area))
- C. PRIMARY KEY ((country, state), city, area)
- D. PRIMARY KEY (country, state), (city, area)

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**Answer: C**

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