

## E20-007<sup>Q&As</sup>

Data Science and Big Data Analytics

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**QUESTION 1**

You submit a MapReduce job to a Hadoop cluster. However, you notice that although the job was successfully submitted, it is not completing.

What should be done to identify the issue?

- A. Ensure TaskTracker is running
- B. Ensure JobTracker is running
- C. Ensure NameNode is running
- D. Ensure DataNode is running

Correct Answer: A

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**QUESTION 2**

You are attempting to find the Euclidean distance between two centroids:

Centroid A's coordinates: (X = 2, Y = 4)

Centroid B's coordinates (X = 8, Y = 10)

Which formula finds the correct Euclidean distance?

- A.  $\text{SQRT}((2-8)^2+(4-10)^2)$  or 8.49
- B.  $\text{SQRT}(((2-8) \times 2) + ((4-10) \times 2))$  or 12.17
- C.  $(2-8)^2+(4-10)^2$  or 72
- D.  $(2-8) \times 2 + (4-10) \times 2$  or 148

Correct Answer: A

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**QUESTION 3**

What is a property of window functions in SQL commands?

- A. They can be used to calculate moving averages over various intervals.
- B. They group rows into a single output row.
- C. They can be used between the keywords FROM and WHERE in a SELECT command.
- D. They don't require ordering of data within a window.

Correct Answer: A

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**QUESTION 4**

Which SQL OLAP extension provides all possible grouping combinations?

- A. CUBE
- B. ROLLUP
- C. UNION ALL
- D. CROSS JOIN

Correct Answer: A

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**QUESTION 5**

Refer to the exhibit.

	FREE HOUSING	HOME OWNER	RENTER	TOTAL
BAD CREDIT	54	476	270	800
GOOD CREDIT	75	1245	460	1780
TOTAL	129	1721	730	2580

Click on the calculator icon in the upper left corner. You are given a list of pre-defined association rules:

- A. RENTER => BAD CREDIT
- B. RENTER => GOOD CREDIT
- C. HOME OWNER => BAD CREDIT
- D. HOME OWNER => GOOD CREDIT
- E. FREE HOUSING => BAD CREDIT

F. FREE HOUSING => GOOD CREDIT For your next analysis, you must limit your dataset based on rules with confidence greater than 60%. Which of the rules will be kept in the analysis?

- A. Rules B and D
- B. Rules A and F
- C. Rules C and E
- D. Rules D and E

Correct Answer: A