# C2090-101 ${ }^{\text {Q\&As }}$ 

IBM Big Data Engineer

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## QUESTION 1

Which of the following Big SQL statements is valid?
A. CREATE TABLE t1 WITH CS;
B. WITH t1 AS (...) (SELECT * FROM t1 WITH RR USE AND KEEP SHARE LOCKS) UNION ALL (SELECT * FROM t1 WITH UR);
C. SELECT deptno, deptname, mgrno FROM t1 WHERE admrdept =`A00<br>' FOR READ ONLY WITH RS USE AND KEEP EXCLUSIVE LOCKS
D. ALTER TABLE t1 ALTER COLUMN deptname SET DATA TYPE VARCHAR(100) USE AND KEEP UPDATE LOCKS

Correct Answer: C

## QUESTION 2

Which of the following are CRUD operations available in HBase? (Choose two.)
A. HTable.Put
B. HTable.Read
C. HTable.Delete
D. HTable.Update
E. HTable.Remove

Correct Answer: AC
Reference: https://www.tutorialspoint.com/hbase/hbase_client_api.htm

## QUESTION 3

You have social media data in a plain text file. You want to figure out the number of times the word "Watson" is mentioned in it.

Which of the following steps will correctly allow you to visualize that data?
A. Create a master workbook, add a filter sheet, run the workbook, add chart
B. Create a master workbook, create a child workbook, add a filter sheet, add chart
C. Create a master workbook, edit the workbook, add a filter sheet, run the workbook, add chart
D. Create a master workbook, create a child workbook, add a filter sheet, run the workbook, add chart

Correct Answer: C

## QUESTION 4

Which is a benefit of row oriented table design?
A. When writing a new row, if all of the row data is supplied at the same time the entire row can be written with a single disk seek
B. When columns of a single row are required at the same time, the entire row can be retrieved with a single disk seek regardless of row size
C. When new values of a column are supplied for all rows at once, that column data can be written efficiently and replace old column data without touching any other columns for the rows
D. When an aggregate needs to be computed over many rows but only a notably smaller subset of all columns of data, reading that smaller subset of data can be faster than reading all data

## Correct Answer: B

Reference: http://www.ijoart.org/docs/Column-Oriented-Databases-to-Gain-High-Performance-for-DataWarehouseSystem.pdf (7)

## QUESTION 5

A large bank was planning to offload existing data from a data warehouse into Hadoop and use SQL queries to access historical data. Which one of the following statements is true for using HiveQL?
A. It supports four logical operators in query predicates: IN, NOT IN, EXISTS, and NOT EXISTS
B. It does not support nested sub-queries
C. Hive supports all ANSI SQL 2011 syntax
D. All of the above

Correct Answer: A
Reference: https://docs.hortonworks.com/HDPDocuments/HDP2/HDP-2.6.5/bk_data-access/content/hive013-feature-subqueries-in-where-clauses.html

## C2090-101 Practice Test

