

Exam Code: nr0-012

Exam Name: teradata physical implementation v2r5 exam

Vendor: NCR Teradata

Version: DEMO

Part: A

1: Which join plan could make use of a primary index on each of two tables with matching Partitioned Primary Indexes?

- A.Merge
- B.Bitmap
- C.Product
- D.Exclusion Merge

Correct Answers: A

2: What are three functions performed by the Index Wizard? (Choose three.)

- A.automatically drops existing indexes based on the workload
- B.recommends adding indexes based on specified workloads
- C.recommends dropping the indexes that may not be necessary
- D.automatically creates DDL statements for recommended indexes
- E.recommends Partitioned Primary Indexes based on specified workloads

Correct Answers: B C D

3: Which three statements are true concerning join plans? (Choose three.)

- A.A Nested Join is only used when the user specifies a constant value in a WHERE clause.
- B.A Hash Join requires that the data from both tables be sorted before performing the join operation.
- C.A Merge Join requires that the data from the tables be sorted before performing the join operation.
- D.A Merge Join retrieves rows from two tables and requires them to be on the same AMP based on the row hash of the columns involved in the join.

Correct Answers: A C D

4: What defines whether parallel steps have been generated in an EXPLAIN output?

- A.the phrase "we execute parallel steps on each AMP"
- B.the phrase "we execute the following steps in unison"
- C.the phrase "we execute the following steps in parallel"
- D.the phrase "we execute the following steps as an all-AMPs RETRIEVE"

Correct Answers: C

5: At query execution time, which two statements about nested views are true? (Choose two.)

- A.Nested views are not updatable.
- B.Maximum size of the fully expanded text is 2 MB.
- C.Teradata validates nested view privileges of the executing user at execution time.
- D.If the view contains WITH CHECK OPTION, the WHERE clause used in defining the view is ignored.

Correct Answers: B C

6: Which two statements about dynamic AMP Sampling are true? (Choose two.)

- A. An AMP is selected to represent an estimation of population demographics.
- B. A random data block from a random cylinder is selected and the number of rows it contains are counted.
- C. The Optimizer understands the reliability of the information it collects using a random AMP and it can be more aggressive in its pursuit of optimal access and join strategies.
- D. The potential for error introduced from a large table is much higher than the estimates gained by the full-table statistics gathered using the Optimizer form of COLLECT STATISTICS.

Correct Answers: A B

7: An EXPLAIN output contains the following phrase: "by way of a traversal of index #n extracting row ids only" Which statement is true?

- A. A spool file is built from the rowhash found in the cylinder index.
- B. Rowid values are accessed in memory without the need for a spool file.
- C. A spool file is built from rowid values found in a secondary index (Index #n).
- D. A temporary file is accessed with rowid values found in a secondary index (Index #n).

Correct Answers: C

8: When using Visual EXPLAIN, which three menu options are available? (Choose three.)

- A. Show Connectors
- B. Replace Execution Plans
- C. Open Plan from Database
- D. Explain Textual Differences

Correct Answers: A C D

9: Collected statistics on a Teradata table allows the Optimizer to predict which two factors? (Choose two.)

- A. the size of spool files
- B. the AMP to send data to
- C. the number of occurrences of a value
- D. the PE that will be assigned to the process

Correct Answers: A C

10: Which three statements are true about Teradata Statistics? (Choose three.)

- A. Statistics can be collected on a global temporary table.
- B. Table statistics are refreshed automatically by Teradata.
- C. Statistics are eliminated when all rows from the table are deleted.
- D. Table statistics can be viewed using the STATS module of Teradata Manager.
- E. User must have at least one appropriate privilege on the object to COLLECT STATISTICS.

Correct Answers: A D E

11: An EXPLAIN output contains one of the following phrases: "a single partition of" or "# partitions of" Which three statements are true? (Choose three.)

- A.The query has a range constraint on the partitioning columns.
- B.The query has an equality constraint on the partitioning column.
- C.Indicates that the table is being accessed using a sparse index.
- D.Indicates AMPs will only access a single partition or # partitions of a table.

Correct Answers: A B D

12: Which three statements about Visual EXPLAIN are true? (Choose three.)

- A.identifies what the Optimizer chooses and why
- B.identifies what the Optimizer chooses, not why
- C.translates Optimizer output (the parse tree) into icons
- D.may be used on any SQL statement, except EXPLAIN
- E.may be used on any SQL statement, including EXPLAIN

Correct Answers: B C D

13: In an EXPLAIN output, what indicates that a query contains a join or a subquery?

- A.the subquery step that is identified
- B.the type of join step that is identified
- C.the number of retrieve steps that are generated
- D.the number of parallel steps that are generated

Correct Answers: B

14: Which three are characteristics of a Volatile table? (Choose three.)

- A.Rows are deleted at session end.
- B.Pool space is used to materialize the table.
- C.Rows are lost following a system restart.
- D.Definitions are stored in the data dictionary.
- E.Temporary space is used to materialize the table.

Correct Answers: A B C

15: Which two definitions are required on the referenced columns when implementing Referential Integrity? (Choose two.)

- A.Unique
- B.Nullable
- C.Indexed
- D.Not Null

Correct Answers: A D