Vendor: IBM

Exam Code: A2090-614

Exam Name: Assessment: DB2 10.1 Advanced DBA for LUW - Assessment

Version: DEMO

QUESTION 1
The following message is frequently seen in the DB2 Diagnostics Log file (db2diag.log):
MESSAGE:
ADM5502W
The escalation of "28581" locks on table "TEST.TABLE1" to lock intent "X" was successful.
Which two database configuration parameter settings should be checked? (Choose two.)

A. LOCKLIST
B. MAXAPPLS
C. MAXLOCKS
D. MAXAGENTS
E. LOCKTIMEOUT

Answer: AC

QUESTION 2
Consider the following statement:

```
SELECT lastname, job, workdept FROM employee e, department d
       WHERE e.workdept = d.deptno
       AND d.deptname = 'SOFTWARE SUPPORT'
       ORDER BY lastname
```

Which indexes should be created for optimal query performance?

A. CREATE INDEX emp_idx ON employee (workdept);
   CREATE INDEX dept_idx ON department (deptno);
B. CREATE INDEX emp_idx ON employee (workdept) CLUSTER; CREATE INDEX dept_idx
   ON department (deptname, deptno);
C. CREATE INDEX emp_idx ON employee (workdept, lastname, job); CREATE INDEX dept_idx
   ON department (deptname, deptno);
D. CREATE INDEX emp_idx ON employee (lastname, job, workdept) CLUSTER; CREATE INDEX
   dept_idx ON department (deptname);

Answer: C

QUESTION 3
Given the following database design:

- A partitioned database was created that uses automatic storage.
- A table space named TS_DIM was created on database partition 0.
- A dimension table named DATE_DIM was created in table space TS_DIM.
- A table space named TS_REPL was created on database partitions 1 thru 4.
- A fact table named SALES was created in table space TS_REPL.

A Explain plan shows that a broadcast join is being used by a query that joins the DATE_DIM
dimension table and the SALES fact table. Which action should be performed to improve query
performance?

A. Create a replicated summary table for the SALES table using the table space TS_REPL.

B. Create a replicated summary table for the DATE_DIM table using the table space TS_REPL.
C. Create an index on both the DATE_DIM and the SALES table for the column that is used in the collocated join.
D. Create a replicated summary table for the SALES table using the table space TS_DIM and create an index on the DATE_DIM table.

Answer: B

QUESTION 4
Which procedure is used to Explain an SQL statement using information obtained from the package cache or the package cache event monitor?

A. EXPLAIN_FROM_DATA
B. EXPLAIN_FROM_ACTIVITY
C. EXPLAIN_FROM_SECTION
D. EXPLAIN_FROM_CATALOG

Answer: C

QUESTION 5
Which statement about the initiation of parallel I/O is correct?

A. For list prefetching, each list of data pages is divided into smaller lists according to extent boundaries and assigned to different I/O servers.
B. For read-ahead prefetching, each list of data pages is divided into smaller lists according to extent boundaries and assigned to different I/O servers.
C. For sequential prefetching, parallel I/O is initiated when the prefetch size is a multiple of the extent size for a table space. Each prefetch request is divided into smaller requests and assigned to different I/O servers.
D. For sequential prefetching, parallel I/O is initiated when the extent size is a multiple of the prefetch size for a table space. Each prefetch request is divided into smaller requests and assigned to different I/O servers.

Answer: C

QUESTION 6
What will occur when a database administrator adds a new automatic storage path to an existing storage group?

A. New table spaces will start consuming storage on the new path.
B. Existing table spaces will not consume storage on the new path.
C. The storage group will be placed in "Rebalance Pending" mode.
D. DB2 will verify that space is available on the storage path specified.

Answer: B

QUESTION 7
Which monitoring tool can be used to obtain stripe set information for database managed storage table spaces?

A. The MON_GET_CONTAINER table function.
B. The SNAP_GET_TBSP_PART table function.
C. The SNAPTBSP_RANGE administrative view.
D. The TS_GET_CONTAINER administrative view.

Answer: A

QUESTION 8
Which statement about value compression is correct?

A. To use value compression, you must have a license for the DB2 Storage Optimization Feature.
B. Value compression uses a page-level dictionary-based compression algorithm to compress data based on repetition of values found in a single column.
C. Value compression involves removing duplicate entries for a value, only storing one copy, and keeping track of the location of any references to the stored copy.
D. When value compression is used, the byte count of compressed NULLs, zeros, and blanks might be larger than that of the uncompressed version of the same values.

Answer: C

QUESTION 9
Which statement about compression dictionaries is FALSE?

A. Page-level dictionaries are stored in hidden rows within the table.
B. Table-level dictionaries are stored in hidden rows within the table.
C. Page-level dictionaries are automatically created or recreated by the database manager as pages are filled.
D. Table-level dictionaries are automatically created or recreated as by the database manager as pages are filled.

Answer: D

QUESTION 10
Which constraints are used to tell the DB2 Optimizer to consider business rules that are not enforced by the database manager?

A. Check constraints
B. Default constraints
C. Informational constraints
D. Referential integrity constraints

Answer: C

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