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Vendor: IBM

Exam Code: C2090-611

Exam Name: DB2 10.1 DBA for Linux UNIX and
Windows

Version: Demo

QUESTION 1

Due to a hardware failure, it appears that there may be some corruption in database DB_1 as DB2 is reporting a "bad page". DB2DART is performed for the entire database and it appears that several bad pages were detected in table space TBSP_1. What command can be used to recover the database and repair the corruption in table space TBSP_1?

- A. RESTART DATABASE
- B. RECOVER DATABASE
- C. RESTORE TABLESPACE
- D. ROLLFORWARD DATABASE

Correct Answer: B

QUESTION 2

If a single node database is actively being used by applications when a power failure occurs, what method is used to bring the database back to a consistent state once power has been restored?

- A. Crash recovery
- B. Version recovery
- C. Disaster recovery
- D. Roll-forward recovery

Correct Answer: A

QUESTION 3

You have an High Availability and Disaster Recovery (HADR) environment set up and you want to read from the standby database. What must you do?

- A. Assign the value ON to the DB2_HADR_ROS registry variable.
- B. Assign the value ON to the DB2_HADR_SNAP registry variable.
- C. Execute the STOP HADR command to temporarily break the HADR connection to the standby.
- D. Execute the TAKEOVER HADR command to instruct the standby database to takeover as the new primary database.

Correct Answer: A

QUESTION 4

Which command can be used to restore a corrupted database using only the recovery history file?

- A. RESTART DATABASE
- B. RECOVER DATABASE
- C. RESTORE DATABASE
- D. ROLLFORWARD DATABASE

Correct Answer: B

QUESTION 5

What is the correct procedure for recovering a dropped table when DROPPED TABLE RECOVERY has been enabled and the database must remain online?

- A. Run the RECOVER DATABASE command with the RECOVER DROPPED TABLE option to restore the database and recover the droppedtable.
- B. Run the RECOVER DATABASE command with the RECOVER DROPPED TABLE option to restore the appropriate table space and recover thedropped table.
- C. Restore the database from a backup image that was taken before the table was dropped; run the ROLLFORWARD DATABASE command withthe RECOVER DROPPED TABLE option to restore the

database and recover the dropped table.

- D. Restore the appropriate table space from a backup image that was taken before the table was dropped; run the ROLLFORWARD DATABASE command with the RECOVER DROPPED TABLE option to restore the appropriate table space and recover the dropped table.

Correct Answer: D

QUESTION 6

Which command will define the alternate diagnostic data directory path as /db2data/db2dump2?

- A. db2set ALT_DIAGPATH=/db2data/db2dump2
- B. db2set SECONDARY_DIAGPATH=/db2data/db2dump2
- C. UPDATE DBM CFG USING ALT_DIAGPATH /db2data/db2dump2
- D. UPDATE DBM CFG USING SECONDARY_DIAGPATH /db2data/db2dump2

Correct Answer: C

QUESTION 7

What is the MAX_LOG database configuration parameter used for?

- A. To limit how many log files a single transaction can span.
- B. To limit the percentage of primary log space a running transaction can consume.
- C. To limit the total number of primary and secondary log files a database can consume.
- D. To limit the total number of secondary log files a transaction can consume before infinite logging is enabled.

Correct Answer: B

QUESTION 8

What unit of measurement is used to represent the cumulative total cost of a node in a Visual Explain access plan diagram?

- A. CPU cycles
- B. Elapsed time, in milliseconds
- C. Processing instructions performed
- D. Timerons

Correct Answer: D

QUESTION 9

In IBM Data Studio, where can you schedule script-based jobs?

- A. Job Console
- B. Job Manager
- C. Task Manager
- D. Utilities Console

Correct Answer: B

QUESTION 10

The values of the automatic maintenance database configuration parameters for a database named SAMPLE are as follows:

| | |
|--------------------------------|--------------------------|
| Automatic maintenance | (AUTO_MAINT) = ON |
| Automatic database backup | (AUTO_DB_BACKUP) = OFF |
| Automatic table maintenance | (AUTO_TBL_MAINT) = OFF |
| Automatic runstats | (AUTO_RUNSTATS) = OFF |
| Real-time statistics | (AUTO_STMT_STATS) = OFF |
| Statistical views | (AUTO_STATS_VIEWS) = OFF |
| Automatic sampling | (AUTO_SAMPLING) = OFF |
| Automatic statistics profiling | (AUTO_STATS_PROF) = OFF |
| Statistics profile updates | (AUTO_PROF_UPD) = OFF |
| Automatic reorganization | (AUTO_REORG) = ON |

What commands must be run to enable real-time statistics collection on the SAMPLE database?

- A. UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON;UPDATE DB CFG FOR sample USING AUTO_STMT_STATS ON;
- B. UPDATE DB CFG FOR sample USING AUTO_TBL_MAINT ON;UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON;UPDATE DB CFG FOR sample USING AUTO_STMT_STATS ON;
- C. UPDATE DB CFG FOR sample USING AUTO_TBL_MAINT ON;UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON;UPDATE DB CFG FOR sample USING AUTO_STATS_VIEWS ON;
- D. UPDATE DB CFG FOR sample USING AUTO_RUNSTATS ON;UPDATE DB CFG FOR sample USING AUTO_STATS_VIEWS ON;

Correct Answer: B

QUESTION 11

If the current value for self-tuning memory is: Self Tuning Memory (SELF_TUNING_MEM) = ON (Inactive) Which statement is true?

- A. Self-tuning is occurring only on the instance memory area.
- B. The memory tuner is actively tuning the memory on the system.
- C. Self-tuning is not occurring because it is waiting for the database to be recycled.
- D. Self-tuning is not occurring because there are less than two memory consumers enabled.

Correct Answer: D

QUESTION 12

What are two types of security label components that can be used with Label-Based Access Control (LBAC)? (Choose two).

- A. Set
- B. Tree
- C. Group
- D. Range
- E. Hierarchy

Correct Answer: AB

QUESTION 13

Where are column mask definitions stored?

- A. In the table definition
- B. In the system catalog
- C. In the table space metadata
- D. In the database configuration file

Correct Answer: B

QUESTION 14

Which statement is correct when describing trusted contexts?

- A. A trusted context defines a trust relationship for a connection between the database and an external entity.
- B. A trusted context promotes the authorization level of the connection initiator and grants them DBADM authority.
- C. A trusted context defines a trust relationship between a user and a table allowing that user additional capabilities.
- D. A trusted context gives the database connection the ability to bypass auditing since authentication has already occurred.

Correct Answer: A

QUESTION 15

A table named SALES was created as follows:

```
CREATE TABLE sales
(sales_date DATE WITH DEFAULT,
 sales_rep INTEGER,
 sales_amt DECIMAL(12, 2))
```

If management wants to use Label-Based Access Control (LBAC) to protect individual rows in the SALES table, and the security policy needed (SEC_POLICY) has already been created, what must be done to protect the table as desired?

- A. Associate the SEC_POLICY security policy with the SALES table.
- B. Add a column with the DB2SECURITYLABEL data type to the SALES table.
- C. Add a column with the DB2SECURITYLABEL data type to the SALES table and then associate the SEC_POLICY security policy with the table.
- D. Add a SECURED WITH clause to every column in the SALES table and then associate the SEC_POLICY security policy with the SALES table.

Correct Answer: C

QUESTION 16

Which authorities can be audited with the AUDIT statement?

- A. SECADM, DBADM, SYSMANT, and SYSCTRL can be audited, but SYSADM cannot.
- B. SYSADM, DBADM, SYSMANT, and SYSCTRL can be audited, but SECADM cannot.
- C. SYSADM, SECADM, DBADM, SQLADM, ACCESSCTRL, and DATAACCESS can be audited.
- D. DBADM, SYSMANT, ACCESSCTRL, and DATAACCESS can be audited, but SYSADM and SECADM cannot.

Correct Answer: C

QUESTION 17

Which authority is required to revoke SECADM authority?

- A. DBADM

- B. SECADM
- C. SYSADM
- D. SQLADM

Correct Answer: B

QUESTION 18

Which statement regarding SECADM authority is true?

- A. The instance owner has SECADM authority by default.
- B. PUBLIC cannot receive SECADM authority, either directly or indirectly.
- C. Only users with SECADM authority are allowed to grant the CONNECT database authority to others.
- D. The SECADM_GROUP database manager configuration parameter determines who has SECADM authority by default.

Correct Answer: B

QUESTION 19

What authorization is needed to execute the CREATE MASK statement?

- A. SECADM
- B. SQLADM
- C. SYSADM
- D. SYSCTRL

Correct Answer: A

QUESTION 20

Which statement is correct for a user who holds SECADM authority?

- A. A user who holds SECADM authority can only grant and revoke database object privileges.
- B. A user who holds SECADM authority can grant and revoke all database level authorities and database object privileges.
- C. A user who holds SECADM authority can only grant and revoke DBADM and SECADM database level authorities.
- D. A user who holds SECADM authority can only grant and revoke label based access control (LBAC) security labels.

Correct Answer: B

QUESTION 21

Which of the following table types is NOT supported by the load utility?

- A. A Temporal table
- B. A Range Partitioned table
- C. A Global Temporary table
- D. A Multidimensional Clustering table

Correct Answer: C

QUESTION 22

Which data movement utility is suitable for moving and processing large amounts of real-time data without affecting availability?

- A. INGEST
- B. REPLICATION
- C. LOAD WITH READ ACCESS

D. IMPORT WITH BUFFERED INSERT

Correct Answer: A

QUESTION 23

What does the FLUSH PACKAGE CACHE statement do?

- A. It removes all dynamic SQL statements from the package cache.
- B. It removes only inactive SQL statements from the package cache.
- C. It saves dynamic SQL stored in the package cache to an external file.
- D. It causes all SQL statements in the package cache that are currently in use to be recompiled.

Correct Answer: A

QUESTION 24

The following commands are executed against a database named MY_DB, which has been configured to use archival logging:

```
BACKUP DATABASE my_db TO /mnt/bkups;  
CONNECT TO my_db;
```

```
LOAD CLIENT FROM /mnt/datafile.del OF DEL  
INSERT INTO t1  
NONRECOVERABLE;
```

Which statement is true?

- A. Upon completion of the Load, the table T1 is placed into "Backup Pending" state.
- B. Upon completion of the Load, a backup image of table T1 is automatically generated.
- C. After a Restore and Rollforward operation, table T1 would be marked unavailable and can only be dropped.
- D. After a Restore and Rollforward operation, the loaded data is stored into a copy-image file and table T1 is fully available.

Correct Answer: C

QUESTION 25

Which statement about updating index statistics with the RUNSTATS command is true?

- A. It requires a full index scan.
- B. It can be accomplished by sampling the index.
- C. It must be executed against all indexes for the table.
- D. It cannot be accomplished without scanning the associated table.

Correct Answer: B

QUESTION 26

What can be used to provide input to the Design Advisor?

- A. An XML file.
- B. A query workload file.
- C. The database configuration file.
- D. The database manager configuration file.

Correct Answer: B

QUESTION 27

Which statement describes a way to minimize the impact of a RUNSTATS operation?

- A. Reduce I/O by using a shadow table space for statistics collection.
- B. Execute the RUNSTATS command with the WITH DISTRIBUTION option specified.
- C. Execute the RUNSTATS command with the DETAILED UNSAMPLED option specified.
- D. Limit the number of pages and rows processed by using page-level or row-level table sampling.

Correct Answer: D

QUESTION 28

If the following command is executed:

```
LOAD CLIENT FROM /mnt/datafile.del
  OF DEL INSERT INTO schema6.t1
  FOR EXCEPTION schema2.e1
  ALLOW READ ACCESS
```

Which statement is true?

- A. Rejected records will be inserted into the table SCHEMA2.E1
- B. Any indexes defined on table SCHEMA6.T1 will be marked invalid upon completion of the Load.
- C. While the Load is executing, other transactions can both read and write into table SCHEMA6.T1
- D. If using a remote database connection, the file "/mnt/datafile.del" must be accessible to the database server host.

Correct Answer: A

QUESTION 29

Which statement describes adaptive row compression?

- A. Adaptive compression allows for use of customized compression dictionary creation algorithms.
- B. Adaptive compression maintains a dynamic and ever changing table-level row compression dictionary.
- C. Adaptive compression incorporates both classic table-level row compression and page-by-page based row compression.
- D. Adaptive compression incorporates four compression approaches: tablespace-level, table-level, page-level, and bufferpool-level.

Correct Answer: C

QUESTION 30

If the following statement is executed:

```
CREATE TABLE tab1
(c1 DATE,
 c2 INT,
 c3 INT,
 c4 DOUBLE,
 c5 DOUBLE GENERATED ALWAYS AS (c3 + c4),
 c6 INT GENERATED ALWAYS AS (MONTH(C1)))
ORGANIZE BY DIMENSIONS (c2, c5, c6)
```

What indexes will be created for table TAB1?

- A. 1 dimension-block index and 1 composite-block index
- B. 1 dimension-block index and 3 composite-block indexes
- C. 3 dimension-block indexes and 1 composite-block index
- D. 3 dimension-block indexes and 3 composite-block indexes

Correct Answer: C

QUESTION 31

Which statements will enable automatic storage in storage group SG_HOT for a given database managed table space MY_TS and remove all existing non-automatic storage containers from the table space?

- A. ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE;ALTER TABLESPACE my_ts REBALANCE;
- B. ALTER TABLESPACE my_ts MANAGED BY DATABASE;ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE;ALTER TABLESPACE my_ts REBALANCE;
- C. ALTER TABLESPACE my_ts MANAGED BY AUTOMATIC STORAGE USE STOGROUP sg_hot;ALTER STOGROUP sg_hot DROP '/db2/filesystem1', '/db2/filesystem2';ALTER TABLESPACE my_ts REBALANCE;
- D. ALTER TABLESPACE my_ts MANAGED BY DATABASE USE STOGROUP sg_hot;ALTER STOGROUP sg_hot DROP '/db2/filesystem1', '/db2/filesystem2';ALTER TABLESPACE my_ts REBALANCE;

Correct Answer: A

QUESTION 32

Which statement about range-clustered tables is true?

- A. Range-clustered tables can be used with the REORG utility.
- B. Range-clustered tables can be used with multiple-column keys.
- C. Range-clustered tables can be used in a DB2 pureScale environment.
- D. Range-clustered tables can be used with value and default compression.

Correct Answer: B

QUESTION 33

Which tool can be used to mimic statistics for tables by gathering statistics from a production database and placing them into a test database?

- A. db2pd
- B. db2dart
- C. db2look
- D. db2mimic

Correct Answer: C

QUESTION 34

You have just converted an existing database to an automatic storage database. What can you use to move data from an existing DMS table space to an automatic storage table space, while the data remains online and available for access?

- A. The db2move command
- B. The db2relocatedb command
- C. The ADMIN_MOVE_TABLE procedure
- D. The ADMIN_MOVE_TABLE_UTIL procedure

Correct Answer: C

QUESTION 35

If an MQT named Q1_SALES was created as follows:

```
CREATE TABLE q1_sales AS
(SELECT sales_amt FROM sales
 WHERE sales_date BETWEEN '01/01/2012' AND '03/31/2012')
DATA INITIALLY DEFERRED
REFRESH DEFERRED
ENABLE QUERY OPTIMIZATION
MAINTAINED BY SYSTEM
```

Which statement will execute successfully?

- A. DELETE FROM q1_sales
- B. REFRESH TABLE q1_sales
- C. INSERT INTO q1_sales VALUES(80.2)
- D. ALTER TABLE q1_sales REFRESH IMMEDIATE

Correct Answer: B

QUESTION 36

Table TAB1 was created as follows:

```
CREATE TABLE tab1
(col1 INT,
 col2 INT)
COMPRESS YES;
```

Which statement(s) should be used to create an index on column COL1 of table TAB1 that is enabled for compression?

- A. CREATE INDEX tab1_idx ON tab1(col1);
- B. CREATE INDEX tab1_idx ON tab1(col1);ALTER INDEX tab1_idx COMPRESS YES;
- C. CREATE INDEX tab1_idx ON tab1(col1);REORG INDEX tab1_idx FOR TABLE tab1;
- D. CREATE INDEX tab1_idx ON tab1(col1);ALTER INDEX tab1_idx COMPRESS YES;REORG INDEX tab1_idx FOR TABLE tab1;

Correct Answer: A

QUESTION 37

Which statement about the ADMIN_MOVE_TABLE procedure is true?

- A. The ADMIN_MOVE_TABLE procedure immediately applies all changes that occur to data in the active (source) table during the move operation to the target table.
- B. The ADMIN_MOVE_TABLE procedure stores all changes that occur to data in the active (source) table during the move to a user-supplied staging table so they can be replayed against the target table when the move is complete.
- C. If the ADMIN_MOVE_TABLE procedure is used to move data in an active (source) table to a target table that was created beforehand, the target table is renamed (to the source table name) once the data has been copied into the target table.
- D. If the ADMIN_MOVE_TABLE procedure is invoked with the KEEP option specified, the active (source) table will be kept and if the target table is to be created automatically, a name that is different from that of the active table must be specified for the target table.

Correct Answer: C

QUESTION 38

Which statement about Binary XML is FALSE?

- A. Binary XML format is only used for data transmission.

- B. Binary XML data refers to data that is in the XDBX format.
- C. Only textual XML data format is supported by Binary XML.
- D. The binary format provides a faster way to transmit and receive XML data.

Correct Answer: C

QUESTION 39

Which XML format provides a faster way to transmit and receive XML data between Java pureXML applications and a DB2 server?

- A. String
- B. Binary
- C. Delimited ASCII
- D. Non-delimited ASCII

Correct Answer: B

QUESTION 40

Given a system-period temporal table POLICY_INFO with its associated history table HIST_POLICY_INFO, which statement is true?

- A. When querying with a time period specification, only the HIST_POLICY_INFO table is queried.
- B. When querying with no time period specification, only the HIST_POLICY_INFO table is queried.
- C. When querying with a time period specification, both the POLICY_INFO and HIST_POLICY_INFO tables are potentially queried.
- D. When querying with no time period specification, both the POLICY_INFO and HIST_POLICY_INFO tables are potentially queried.

Correct Answer: C

QUESTION 41

Which two conditions must be met before Automatic Dictionary Creation (ADC) can be used to generate a compression dictionary for a table? (Choose two.)

- A. The table is not a system temporary table.
- B. The table contains a sufficient amount of data.
- C. A table-level compression dictionary does not already exist for the table.
- D. A page-level compression dictionary does not already exist for the table.
- E. The table does not have any indexes defined on it that have not been enabled for compression.

Correct Answer: BC

QUESTION 42

A partitioned table named SALES was created as follows:

```

CREATE TABLE parts
(part_num INT,
description VARCHAR(50),
price DECIMAL (4,2))
INDEX IN tbsp3
PARTITION BY RANGE (part_num)
(STARTING FROM (1) ENDING AT (10) IN tbsp0,
STARTING FROM (11) ENDING AT (20) IN tbsp1,
STARTING FROM (21) ENDING AT (30) IN tbsp2);

```

If the following statement is executed,

```

CREATE INDEX parts_idx ON parts (part_num);

```

Which statement about the PARTS_IDX index is true?

- A. The index PARTS_IDX will be a nonpartitioned index and it will be stored in table space TBSP3.
- B. The index PARTS_IDX will be a nonpartitioned index and it will be stored in table space TBSP0.
- C. The index PARTS_IDX will contain 3 partitions and all three partitions will be stored in table space TBSP3.
- D. The index PARTS_IDX will contain 3 partitions; the first partition will be stored in table space TBSP0, the second in TBSP1, and the third in TBSP2.

Correct Answer: D

QUESTION 43

An existing non-automatic storage database named MYDB has been successfully converted to an automatic storage database. What must be done to convert any existing DMS table spaces to automatic storage table spaces?

- A. Execute the statement ALTER DATABASE mydb CONVERT TO AUTOMATIC STORAGE IMMEDIATE.
- B. Execute the statement ALTER DATABASE mydb CONVERT TABLESPACES TO AUTOMATIC STORAGE.
- C. Execute the ALTER TABLESPACE statement with the MANAGED BY STOGROUP clause specified for each DMS table space that is to be converted.
- D. Execute the ALTER TABLESPACE statement with the MANAGED BY AUTOMATIC STORAGE clause specified for each DMS table space that is to be converted.

Correct Answer: D

QUESTION 44

Which statement about BEFORE triggers is FALSE?

- A. A BEFORE trigger's action is executed for each row in the set of affected rows before the trigger event executes.
- B. A BEFORE trigger's action is executed for each row in the set of affected rows instead of executing the trigger event.
- C. A BEFORE trigger is used to perform validation of input data and to automatically generate values for newly inserted rows.
- D. A BEFORE trigger cannot be used to modify data in a database because they are activated before the trigger event is applied to the database.

Correct Answer: B

QUESTION 45

What are two purposes of the SET INTEGRITY statement? (Choose two.)

- A. To bring a table out of "Set Integrity Pending" state by performing the required integrity processing on the table.
- B. To bring a table out of "Set Integrity Pending" state by performing only check constraint processing on the table.
- C. To bring a table out of "Set Integrity Pending" state without performing the required integrity processing on the table.
- D. To bring a table out of "Set Integrity Pending" state by performing only referential integrity constraint processing on the table.
- E. To bring a table out of "Set Integrity Pending" state by performing only referential integrity and check constraint processing on the table.

Correct Answer: AC

QUESTION 46

You want to modify an existing view so that any rows that are inserted or updated with the view will not violate the SELECT statement that was used to create the view. What should you do?

- A. Alter the view and add the ENFORCE SELECT clause to the view definition.
- B. Drop and recreate the view with the WITH CHECK OPTION clause specified.
- C. Alter the view and add the WITH CHECK OPTION clause to the view definition.
- D. Create a new view with the same name and the ENFORCE SELECT clause specified.

Correct Answer: B

QUESTION 47

What is an informational constraint?

- A. A constraint that defines a relationship to a federated object.
- B. A constraint that is used by the optimizer but is not enforced.
- C. A constraint that provides Information to the RUNSTATS utility.
- D. A constraint that is created from information supplied to the design advisor.

Correct Answer: B

QUESTION 48

Given the following statement:

```
CREATE TABLE department
  (deptno CHAR(3) NOT NULL PRIMARY KEY,
   deptname VARCHAR(29) NOT NULL,
   mgrno CHAR(6),
   admrdept CHAR(3) NOT NULL,
   location CHAR(16))
```

How many constraints are present in the DEPARTMENT table?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

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