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DB2 9.7 Advanced DBA for LUW

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QUESTION 1

A database named DB1 has a database partition group named MULTIPG that has been defined across partitions 3, 4 and 5.

The DBA issues the following series of commands/SQL statements:

CONNECT TO db1;

SET CURRENT DBPARTITIONNUM 4;

ALTER DATABASE PARTITION GROUP multigp ADD DBPARTITIONNUM (6);

Which partition will DB2 use as a model for table spaces on partition 6?

A. catalog partition

B. partition 3

C. partition 4

D. partition 5

Correct Answer: B

QUESTION 2

A database and a table space were created using the following commands:

```
CREATE DATABASE mydb AUTOMATIC STORAGE NO;
CONNECT TO mydb;
CREATE TABLESPACE tbsp1
    MANAGED BY DATABASE USING (FILE '/mnt/file1' 1 M, FILE '/mnt/file2' 1 M)
    AUTORESIZE YES
    INCREASESIZE 2 M
    MAXSIZE 100 M;
```

Afterwards, two tables were created in table space TBSP1 and both tables were populated with 100,000 rows. If a DBA decides that database MYDB should use automatic storage, which command(s) are needed to convert the database?

A. ALTER DATABASE mydb ADD STORAGE ON ?mnt/path_1? ?mnt/path_2?

B. ALTER DATABASE mydb ADD STORAGE ON ?mnt/path_1? ?mnt/path_2?ALTER TABLESPACE tbsp1 MANAGED BY AUTOMATIC STORAGE;

C. ALTER DATABASE mydb AUTOMATIC STORAGE YES ON ?mnt/path_1? ?mnt/path_2?

D. ALTER DATABASE mydb AUTOMATIC STORAGE YES ON ?mnt/path_1? ?mnt/path_2? ALTER TABLESPACE tbsp1 MANAGED BY AUTOMATIC STORAGE;

Correct Answer: A

QUESTION 3

```
CREATE TABLE t1
    (deptno    CHAR(2) NOT NULL,
     deptname VARCHAR(36) NOT NULL,
     empno    CHAR(3) NOT NULL)
```

Table T1 was created by executing the following statement:

Immediately after creation, table T1 was populated with 10 rows. Later, user USER1 ran an application that inserted 100,000 rows into table T1.

The following query is frequently ran against the T1 table:

SELECT deptno, empno, deptname FROM t1 WHERE deptno = \\'EN\\' AND empno = \\'123\\' Assuming current statics exist for the table and index, which index will provide optimal performance for this query?

A. CREATE INDEX idx1 ON t1 (deptno, empno) INCLUDE (deptname)

B. CREATE INDEX idx1 ON t1 (deptno, empno)

C. CREATE INDEX idx1 ON t1 (deptno) INCLUDE (empno)

D. CREATE INDEX idx1 ON t1 (deptno)

Correct Answer: B

QUESTION 4

If instance DB2INST1 is created and its authentication type is set to KRB_SERVER_ENCRYPT, which statement is true?

A. Databases created in DB2INST1 will use SERVER_ENCRYPT authentication if KERBEROS authentication is not available.

B. Databases created in DB2INST1 will use KERBEROS authentication if SERVER_ENCRYPT authentication is not available.

C. Client connections to databases on DB2INST1 will fail unless they are attempted through an LDAP connection.

D. Client connections from Windows machines to databases on DB2INST1 will flow clear text passwords.

Correct Answer: A

QUESTION 5

Given a database created as follows:

```
CREATE DATABASE mydb ON /mnt/data PAGESIZE 8192;

If you have two tables defined as:

CREATE TABLE t1 (c1 INT, c2 CHAR (200), c3 CHAR (200), c4 CHAR (200), c5 CHAR (200),
    c6 CHAR (200));
CREATE table t2 (c1 INT, c2 CHAR (200), c3 CHAR (200), c4 CHAR (200), c5 CHAR (200),
    c6 CHAR (200), c7 CHAR (200), c8 CHAR (200));

You are running the statement:
    SELECT a.c1, a.c2, a.c3, b.c4, b.c5, b.c6, b.c7, b.c8
    FROM t1 a, t2 b
    WHERE a.c1=b.c1
    ORDER BY a.c1
```

If each table (T1 and T2) has 50,000 rows, which of the following commands will ensure that the temporary table created by the select statement will fit entirely in the buffer pool, assuming that there is a primary key/foreign key relationship between column C1 in table T1, and column C1 in table T2?

A. CREATE BUFFERPOOL bp1 SIZE 20000 PAGESIZE 4k;ALTER TABLESPACE tempspace1 BUFFERPOOL bp1;

B. CREATE BUFFERPOOL bp1 size 10000 PAGESIZE 8k;

C. CREATE BUFFERPOOL bp1 size 5000 PAGESIZE 16k;ALTER TABLESPACE tempspace1 BUFFERPOOL bp1;

D. CREATE BUFFERPOOL bp1 size 25000 PAGESIZE 32k;

Correct Answer: B

QUESTION 6

Setting the DB2_FMP_COMM_HEAPSZ=0 will result in which the following?

A. User-defined function calls will be disabled.

B. In a partitioned environment, infinite communications will be enabled between partitions.

C. In a partitioned environment, communications will not be buffered.

D. Non-fenced routines can be invoked, however automatic database maintenance will be disabled.

Correct Answer: D

QUESTION 7

A Windows user with a local database is not able to connect to a zOS database. The System Database Directory and the Node Directory have the correct entries. Other users can connect to the database from their workstations without problems. What should be done resolve the problem?

A. Uncatalog and re-catalog the directory entries for the zOS database and try again.

B. Catalog the zOS database in the Local Database Directory.

C. Catalog the zOS database in the Database Connection Services Directory.

D. Catalog the zOS database in the Distributed Data Facility Directory.

Correct Answer: C

QUESTION 8

At which two levels can events be audited? (Choose two.)

A. Instance level

B. Database level

C. Server level

D. Operating System level

E. Node level

Correct Answer: AB

QUESTION 9

Which command will back up a database named SAMPLE to a TSM server using two concurrent TSM client sessions?

A. BACKUP DATABASE sample USE TSM OPEN 2 SESSIONS WITH 4 BUFFERS

B. BACKUP DATABASE sample USE TSM OPEN 4 SESSIONS WITH 2 BUFFERS

C. BACKUP DATABASE sample USE TSM OPEN 2 SERVERS WITH 4 BUFFERS

D. BACKUP DATABASE sample USE TSM OPEN 4 SERVERS WITH 2 BUFFERS

Correct Answer: A

QUESTION 10

Table TAB1 was created using the following statement: CREATE TABLE tab1 (c1 INT, c2 INT, c3 INT, c4 INT, c5 INT); If column C1 is unique and queries typically access columns C1, C2, C3 and C4 together, which statement(s) will create index(es) that will provide optimal query performance?

A. CREATE UNIQUE INDEX xtab1 ON tab1 (c1);CREATE INDEX xtab2 ON tab1 (c2) INCLUDE (c3, c4);

B. CREATE UNIQUE INDEX xtab1 ON tab1 (c1) INCLUDE (c2, c3, c4);

C. CREATE UNIQUE INDEX xtab1 ON tab1 (c4, c3, c2, c1);

D. CREATE UNIQUE INDEX xtab1 ON tab1 (c3) INCLUDE (c1, c2, c4);

Correct Answer: B

QUESTION 11

Given a database with Self-Tuning Memory Manager (STMM) enabled, what will DB2 do when a new buffer pool is created using the IMMEDIATE option?

A. Attempt to create the buffer pool and immediately request additional memory from the operating system to allocate. If the operating system memory is not available, the buffer pool will not be created.

B. Attempt to create the buffer pool and immediately allocate the memory requested, resizing the existing buffer pools and heaps as required. If there is insufficient memory in the global memory allocation for DB2, the buffer pool will not be created.

C. Attempt to create the buffer pool and immediately allocate the memory requested from available database shared memory. If the memory available is not sufficient, then allocation of the buffer pool will be deferred until the database is stopped and restarted.

D. Attempt to create the buffer pool and immediately request additional instance level memory. If the instance level memory is not available, then creation of the buffer pool is deferred until the database is stopped and restarted.

Correct Answer: C

QUESTION 12

What are the steps required to remove July 2005 data from a partitioned table and replace with it with July 2010 data?

A. 1) Detach partition containing July 2005 data2) Load July 2010 data into a new table3) Attach the new table as a new partition in the existing partitioned table4) Check constraint integrity for the partitioned table

B. 1) Detach partition containing July 2005 data2) Load July 2010 data into a new table3) Attach the new table as a new partition in the existing partitioned table4) Rebind the partitioned table

C. 1) Detach partition containing July 2005 data2) Load July 2010 data into a new table3) Attach the new table as a new partition in the existing partitioned table4) Update statistics on the partitioned table

D. 1) Detach partition containing July 2005 data2) Load July 2010 data into a new table3) Attach the new table as a new

partition in the existing partitioned table4) Reorg the partitioned table

Correct Answer: A

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