

# IBM

## Exam Questions C2090-320

DB2 11 Fundamentals for z/OS



#### NEW QUESTION 1

Which two of the following functions are synonyms of one another? (Choose two)

- A. CLOB
- B. VALUE
- C. IFNULL
- D. DBCLOB
- E. COALESCE

**Answer:** CE

#### NEW QUESTION 2

Which of the following coupling facility structures are used by DB2 in a data sharing environment?

- A. List structure, DB2 logs, and group buffer pools
- B. Work file database, list structure, and virtual buffer pools
- C. Lock structure, shared communications area, and group buffer pools
- D. Lock structure, shared communications area, and bootstrap data sets

**Answer:** C

#### NEW QUESTION 3

Consider the following scenario:

User1 creates table USER1.TABLE1 in DATABASE1 User1 grants ALL PRIVILEGES on TABLE1 to User2 User2 grants ALL PRIVILEGES on TABLE1 to User3

User1 revokes ALL PRIVILEGES on TABLE1 to User2 User3 has DBCTRL authority on DATABASE1

Is User3 able to retrieve rows from TABLE1?

- A. No
- B. Yes
- C. No, if the revoke used INCLUDING DEPENDENT PRIVILEGES
- D. Yes, if User3 was granted DBCTRL prior to the creation of table USER1.TABLE1

**Answer:** B

#### NEW QUESTION 4

To ensure only positive values are entered into a column, you add a constraint on the SALARY column of a previously populated table If D32 cannot guarantee the existing values in the column are positive, it will place the table space or partition that contains the table into which of the following states?

- A. CHECK PENDING
- B. REORG PENDING
- C. REBUILD PENDING
- D. ADVISORY REORG PENDING

**Answer:** A

#### NEW QUESTION 5

Which of the following locking scenarios requires the least amount of real storage in the IRLM address space?

- A. 10 row locks
- B. 200 page locks
- C. A single table space lock
- D. 6 partition locks (given a table space with a total of 10 partitions)

**Answer:** C

#### NEW QUESTION 6

For a partition-by-range table, which data types can be used to define the key columns that are used to partition the data? (Choose two)

- A. XML I
- B. BINARY
- C. DECIMAL
- D. VARCHAR
- E. DECFLOAT

**Answer:** AD

#### NEW QUESTION 7

Which catalog table would you query in order to determine the relevant statistics for an index?

- A. SYSIBM.SYSKEYS
- B. SYSIBM.SYSFIELDS
- C. SYSIBM.SYSCOLUMNS
- D. SYSIBM.SYSINDEXSTATS1

**Answer:**

D

#### NEW QUESTION 8

Which BIND option determines when DB2 will do authorization checking?

- A. DEFER
- B. DEPLOY
- C. VALIDATE
- D. CURRENTDATA

**Answer: C**

#### NEW QUESTION 9

Which privilege or authority is required to use the DSN command?

- A. None
- B. SYSADM
- C. SECADM
- D. EXECUTE

**Answer: B**

#### NEW QUESTION 10

Which of the following utilities or utility control statements require datasets for execution?

- A. LISTDEF
- B. OPTIONS
- C. TEMPLATE
- D. CHECK LOB

**Answer: A**

#### NEW QUESTION 10

We want to increase the salary for each employee (EMP) in the department (WORKDEPT) D11 and we want to see the new salaries(SALARY) for each of them. Which single SQL statement will do this?

A.  
`UPDATE emp SET salary = salary * 1.1 WHERE workdept = 'D11';`  
`SELECT lastname, salary FROM emp;`

B.  
`SELECT lastname, salary FROM FINAL TABLE`  
`(UPDATE emp SET salary = salary * 1.1 WHERE workdept = 'D11');`

C.  
`SELECT lastname, salary FROM NEW TABLE`  
`(UPDATE emp SET salary = salary * 1.1 WHERE workdept = 'D11');`

D.  
`SELECT lastname, salary FROM emp`  
`(UPDATE emp SET salary = salary * 1.1 WHERE workdept = 'D11');`

- A. A
- B. B
- C. C
- D. D

**Answer: D**

#### NEW QUESTION 13

Which statement is TRUE regarding catalog table SYSIBM.SYSROUTINES?

- A. Contains scheduled tasks for the administrative scheduler
- B. Contains information about UDFs, BIFs and stored procedures
- C. Contains information about bound packages
- D. Contains information about UDFs and stored procedures

**Answer:** D

#### NEW QUESTION 16

The following definition for COL1 is given by this statement: CREATE TABLE... (COL1 BINARY (05))  
Which of the following statements will successfully insert data into the table?

- A. INSERT INTO... (COL1) VALUES(HEX('12345'));
- B. INSERT INTO... (COL1) VALUES(BLOB('12345'));
- C. INSERT INTO... (COL1) VALUES(CHAR('12345'));
- D. INSERT INTO... (COL1) VALUES(BINARY('123456'));

**Answer:** C

#### NEW QUESTION 18

Your current authorization ID is DBA. Only one of your secondary authorization IDs, DB2, has the privilege to create an index DB2.AAA on a table. The appropriate SQL statement starts with "CREATE INDEX AAA ON...". Which of the following statements must precede the CREATE statement so that you can create the index?

- A. SET CURRENT SQLID = 'DB2';
- B. SET CURRENT RULES = 'DB2';
- C. No preceding statement is needed
- D. SET CURRENT SCHEMA = 'DB2';

**Answer:** A

#### NEW QUESTION 19

You are designing a payroll table that will contain a salary column. Which of the following is the appropriate built-in data type for a salary column?

- A. REAL
- B. BIGINT
- C. DECIMAL
- D. INTEGER

**Answer:** C

#### NEW QUESTION 22

Given the following INDEX definition, which attributes apply to this index? (Choose two.)

```
CREATE UNIQUE INDEX DSN8B10.XDEPT1
ON DSN8B10.DEPT
(DEPTNO)
USING VCAT DSNCAT
PIECESIZE 1048576K;
```

- A. The index is partitioned
- B. The index data sets are user-managed
- C. The index data sets are DB2-managed
- D. The index is unique and in ascending order
- E. The maximum total size of the index is 1 GB

**Answer:** AB

#### NEW QUESTION 24

Which of the following CREATE TABLE or associated CREATE INDEX options are valid when defining a table with the PARTITION BY RANGE clause? (Choose two)

- A. MAXPARTITIONS
- B. ENDING AT clause on a CREATE INDEX statement for the table
- C. MEMBER CLUSTER
- D. ENDING AT clause on the CREATE TABLE statement
- E. A LOB column specified as a column of the partitioning key

**Answer:** B

#### NEW QUESTION 26

Which authorizations can change the value of the subsystem parameter SYSADM using the –SET SYSPARM command? (Choose two.)

- A. SYSADM
- B. SECADM
- C. SYSCTRL
- D. Installation SYSADM
- E. Installation SYSOPR

**Answer:** DE

#### NEW QUESTION 28

Which of the following elements is affected by a ROLLBACK statement?

- A. LOB table spaces
- B. Changes in cursor positioning
- C. Acquisition and release of locks
- D. Caching of rolled back statements

**Answer:** A

#### NEW QUESTION 33

A stored procedure needs to issue a dynamic SQL statement (SELECT) at runtime. The stored procedure's owner ID must be used for the authorization check (whether or not the SELECT is allowed).

Which BIND parameter setting can you use to accomplish this ?

- A. DYNAMICRULES(RUN)
- B. DYNAMICRULES(BIND)
- C. DYNAMICRULES(INVOKERUN)
- D. DYNAMICRULES(DEFINEBIND)

**Answer:** B

#### NEW QUESTION 36

Given the following table:

```
CREATE TABLE EMPSAMP
(EMPNO  INTEGER GENERATED ALWAYS AS IDENTITY,
 NAME   CHAR(30),
 SALARY  DECIMAL(10,2),
 DEPTNO  SMALLINT,
 LEVEL   CHAR(30),
 HIREDATE VARCHAR(30) NOT NULL WITH DEFAULT 'New Hire',
 HIREDATE DATE NOT NULL WITH DEFAULT);
```

Which of the following INSERT statements will be successful?

- A. INSERT INTO EMPSAMP (empno.name, salary, deptno, level,hiretyp
- B. hiredate) VALUES(2,'Mary Smith', 35000.00, 11, 'Associate'. 'existing705-06-2016');
- C. INSERT INTO EMPSAMP ('Mary Smith', 35000.00, 11, 'Associate', 'existing705-06-2016');
- D. INSERT INTO EMPSAMP VALUES(2,'Mary Smith', 35000.00, 11, 'Associate'. 'existing\05-06-2016');
- E. INSERT INTO EMPSAMP (name, salary, deptno, level) VALUES('Mary Smith', 35000.00, 11, 'Associate');

**Answer:** B

#### NEW QUESTION 37

Which statement is TRUE regarding ROLLBACK processing?

- A. It only reads active logs
- B. It always needs archive logs
- C. It can never be processed just from memory
- D. It uses output buffers, active and archive logs

**Answer:** D

#### NEW QUESTION 40

Which of the following is NOT TRUE?

- A. An index can be created on XML columns
- B. Length must be specified for an XML column
- C. XML columns can be added to existing tables
- D. Triggers can be created on tables with XML columns

**Answer:** D

#### NEW QUESTION 42

You want to reduce lock contention that results from uncommitted insert and delete operations by enabling transactions that read data to access only the currently committed data rather than waiting for the uncommitted changes to be resolved. How can you accomplish this?

- A. Bind your application with ISOLATION(UR)
- B. Bind your application with ISOLATION(CS)
- C. Bind your application with CONCURRENTACCESSRESOLUTION (WAITFOROUTCOME)
- D. Bind your application with CONCURRENTACCESSRESOLUTION (USECURRENTLYCOMMITTED)

**Answer:** D

#### NEW QUESTION 45

You want to limit the access of a table to allow users to only see certain columns and/or rows. Which of the following options CANNOT be used to accomplish this?

- A. A view
- B. Multilevel security
- C. An MQT (Materialized Query Table)
- D. A combination of row permissions and column masks

**Answer: C**

#### NEW QUESTION 50

Which of the following automatically maintains historical versions of data over several years?

- A. A partitioned-by-range table
- B. A partitioned-by-growth table
- C. A system-period temporal table
- D. An application-period temporal table

**Answer: C**

#### NEW QUESTION 55

Given the following sequence of events:

- \* 1) COL1 in SCHEMA.TABLE has a value of 10
- \* 2) Update COL1 in SCHEMA.TABLE to 20
- \* 3) SetSAVEPOINTA
- \* 4) Update COL1 in SCHEMA.TABLE to 30
- \* 5) SetSAVEPOINTB

After issuing the statement: ROLLBACK TO SAVEPOINT

What will be the value in COL1 of the SCHEMA.TABLE?

- A. 10
- B. 20
- C. 30
- D. An -880 SQLCODE will be issued when the statement is executed

**Answer: D**

#### NEW QUESTION 56

You have created a new index. What is the command to potentially change the access path for a static package?

- A. FREE
- B. RESET
- C. REBIND
- D. REFRESH

**Answer: A**

#### NEW QUESTION 57

Using the SQL statement DECLARE GLOBAL TEMPORARY TABLE (DGTT) which of the following is TRUE?

- A. A DGTT is only stored in memory
- B. The qualifier for a DGTT is SESSION
- C. The DGTT can be specified in a referential constraint
- D. All privileges associated with the DGTT are stored in the DB2 catalog

**Answer: B**

#### NEW QUESTION 61

Why would an SQL statement receive an SQLCODE of +100? (Choose two)

- A. The result of a SELECT INTO statement was an empty table
- B. A rowset FETCH statement encountered one or more error conditions
- C. The statement references an object that is not defined in the DB2 subsystem
- D. An error occurred during the insertion of a row into an optional Explanation table
- E. A FETCH statement was executed when the cursor was positioned after the last row of the result table

**Answer: AC**

#### NEW QUESTION 65

Which component of the program preparation produces a DBRM (Database request Module)?

- A. Compiler
- B. Linkage Editor
- C. Bind command
- D. Precompiler/Coprocessor

**Answer: D**



**NEW QUESTION 68**

Given the following:

```
CREATE TABLE POLICY_INFO_AET  
(POLICY_ID CHAR(10) NOT NULL,  
COVERAGE INT NOT NULL);
```

```
CREATE TABLE POLICY_INFO_ARC  
(POLICY_ID CHAR(10) NOT NULL,  
COVERAGE INT NOT NULL);
```

```
ALTER TABLE POLICY_INFO_AET ENABLE ARCHIVE USE POLICY_INFO_ARC: SET SYSIBMADM.MOVE_TO_ARCHIVE = T; ***
```

Which of the following occurs automatically when rows are deleted from POLICY\_INFO\_AET?

- A. The deleted rows are moved from POLICY\_INFO\_AET table to PaOLICY\_INFO\_ARC table
- B. The logically deleted rows are removed from POLICY\_INFO\_ARC table during the REORG
- C. The deleted rows are removed from both POLICY\_INFO\_AET and POLICY\_INFO\_ARC tables
- D. The deleted rows are moved from POLICY\_INFO\_AET table to POLICY\_INFO\_ARC table during the REORG

**Answer: D**

**NEW QUESTION 71**

If a scrollable cursor is INSENSITIVE, which of the following applies?

- A. The cursor is read only
- B. WITH ROWSET POSITIONING is not allowed
- C. The select-statement must not contain an SQL data change statement
- D. The cursor has sensitivity to changes that are made to the database after the result table is materialized

**Answer: A**

**NEW QUESTION 76**

Which option is used with the RECOVER utility when the data sets of the target objects have already been restored to a point of consistency by another process offline?

- A. LOGONLY
- B. FROMDUMP
- C. TOLASTCOPY
- D. CURRENTCOPYONLY

**Answer: A**

**NEW QUESTION 79**

Consider the following question: "What is the average salary by sex within education level?" An occasional uncommitted record can be tolerated in the average. Which of the following is the most appropriate isolation level for this?

- A. UR
- B. RR
- C. CS
- D. RS

**Answer: A**

**NEW QUESTION 82**

Given the following table and index definitions, what type of index will be created?

```
CREATE TABLE TA1 (COL1 SMALLINT, COL2 CHAR(10), COL3 DATE, COL4 INT)  
  IN DBA.TSA1 PARTITION BY RANGE (COL1)  
    (PARTITION 1 ENDING AT (3000),  
     PARTITION 2 ENDING AT (6000),  
     PARTITION 3 ENDING AT (9000),  
     PARTITION 4 ENDING AT (MAXVALUE));
```

```
CREATE UNIQUE INDEX IXA1 ON TA1 (COL1)  
  PARTITIONED USING STOGROUP STA PRIQTY 10000 SECQTY 1000;
```

- A. Non-partitioned index
- B. Non-partitioned secondary index
- C. Data-partitioned secondary index
- D. Data-partitioned partitioning index

**Answer: C**

**NEW QUESTION 85**

When the following SQL statement is executed, user smith will NOT be able to do which of the following? REVOKE USE OF STOGROUP stogr1 FROM smith;

- A. CREATE TRIGGER...;
- B. CREATE TABLE... IN db1.ts1;
- C. CREATE DATABASE ... STOGROUP stogr1;
- D. CREATE TABLESPACE... USING STOGROUP stogr1;

**Answer:** C

#### NEW QUESTION 90

Assume DELETE triggers exist on the employee table. Which of the following statements will delete all the rows in the employee table and ignore any DELETE triggers?

- A. TRUNCATE employee;
- B. DELETE FROM employee;
- C. DELETE FROM employee WHERE...;
- D. TRUNCATE employee RESTRICT WHEN DELETE TRIGGERS;

**Answer:** B

#### NEW QUESTION 95

Which SQL statement supports an insert or an update in a single SQL statement?

- A. MERGE
- B. UPSERT
- C. UPDATE or INSERT INTO....
- D. INSERT INTO table... ON DUPLICATE KEY ....

**Answer:** D

#### NEW QUESTION 96

The PERIOD BUSINESS\_TIME clause on a DDL statement is used in which of the following? (Choose two)

- A. A bitemporal table
- B. A system-period temporal table
- C. A created global temporary table
- D. A declared global temporary table
- E. An application-period temporal table

**Answer:** CD

#### NEW QUESTION 99

Which of the following statements is TRUE when issuing an SQL ROLLBACK (without SAVEPOINT) statement?

- A. All held LOB locators are retained
- B. All locks that are implicitly acquired during the unit of recovery are retained
- C. All rows and all logical work files of every created temporary table of the application process are deleted
- D. All cursors are closed, all prepared statements are retained, and any cursors that are associated with the prepared statements are invalidated

**Answer:** C

#### NEW QUESTION 100

Which of the following utilities CANNOT be executed from the DB2 utilities panel in DB2I?

- A. COPY
- B. REORG
- C. STOSPACE
- D. BACKUP SYSTEM

**Answer:** D

#### NEW QUESTION 103

A view is considered read only if which of the following is TRUE?

- A. The first FROM clause identifies only one table
- B. The outer fullselect contains an ORDER BY clause
- C. The first SELECT clause specifies the DISTINCT option
- D. The fullselect includes a column of a base table that is defined as implicitly hidden

**Answer:** B

#### NEW QUESTION 104

You need to add the employee picture to the employee table. Which of the following is the appropriate built-in data type for storing images?

- A. BLOB
- B. CLOB
- C. DBCLOB



D. VARGRAPHIC

**Answer:** B

**NEW QUESTION 107**

Which of the following is used to identify valid source and target combinations and to perform the conversion from one coded character set to another?

- A. EBCDIC tables
- B. z/OS Unicode support
- C. DB2 catalog table SYSIBM.SYSCOLUMNS
- D. DB2's Distributed Relational Database Architecture

**Answer:** D

**NEW QUESTION 110**

An application program is running much longer than expected. The PLAN\_TABLE shows the following access path information:

ACCESSTYPE = 'R' PREFETCH = 'S'

What access path does this represent?

- A. IN-list access
- B. Direct row access
- C. Dynamic prefetch access
- D. Table space scan access

**Answer:** D

**NEW QUESTION 111**

What are two major encoding schemes? (Choose two.)

- A. UNIX
- B. Linux
- C. CCSID
- D. Unicode
- E. EBCDIC

**Answer:** DE

**NEW QUESTION 116**

Which package level privileges does the user smith have when the following statement is executed? GRANT ALL ON PACKAGE clct1.pkg1 TO smith;

- A. GRANT, COPY, BIND, RUN
- B. BIND, EXECUTE, COPY, RUN
- C. CREATE, COPY, RUN, EXECUTE
- D. COPY, BINDADD, SQL, EXECUTE

**Answer:** B

**NEW QUESTION 121**

An external stored procedure is invoked using a CALL :hv (host variable). Which special register identifies the location of the procedure?

- A. CURRENT PATH
- B. CURRENT SCHEMA
- C. CURRENT PACKAGESET
- D. CURRENT ROUTINE VERSION

**Answer:** D

**NEW QUESTION 125**

Which type of index will cause DB2 to store the data in a given physical order?

- A. UNIQUE
- B. PRIMARY
- C. CLUSTER
- D. PARTITIONED

**Answer:** D

**NEW QUESTION 128**

COL1 is defined as CHAR(05) and contains CHAR('12345'). Which of the following expressions returns the digits 12345 for further calculation?

- A. HEX(COL1)
- B. DEC(COL1)
- C. PACK(COL1)
- D. DIGITS(COL1)

**Answer:** B

**NEW QUESTION 129**

The DB2 subsystem DSN has been correctly configured to access a remote DB2 location MYREMOTE. Which of the following processes can be used on subsystem DSN to access MYUSER.EMP table at MYREMOTE location?

- A. SELECT \* FROM MYUSER.EMP;
- B. CONNECT TO MYREMOTE;SELECT \* FROM MYUSER.EMP;
- C. SELECT \* FROM MYUSER.MYREMOTE.EMP;
- D. CREATE ALIAS EMP\_ALIAS FOR LOCATION.MYREMOTE.MYUSER.EMP;SELECT \* FROM MYUSER.EMP\_ALIAS;

**Answer:** B

**NEW QUESTION 131**

What is the implicitly created column in a base table which contains an XML column called?

- A. Node ID
- B. ROWID
- C. LOCATOR
- D. DOCID

**Answer:** B

**NEW QUESTION 133**

Which of the following statements concerning a bi-temporal table is TRUE?

- A. It provides business history, but is not useful for audit purposes
- B. It is defined with both an application period and a system period
- C. It is useful for audit purposes, but is not useful for business history
- D. It contains data reflecting two different times – current time and one previous time

**Answer:** B

**NEW QUESTION 134**

Which protocol provides applications the ability to connect to a server at another location and execute packages that have been previously bound at that server?

- A. CLI
- B. JDBC
- C. DRDA
- D. ODBC

**Answer:** D

**NEW QUESTION 138**

Which SQL statement can be used to provide diagnostic information about the last SQL statement that was executed?

- A. GET DIAGNOSTICS
- B. DESCRIBE OUTPUT
- C. DECLARE STATEMENT
- D. SET CURRENT DEBUG MODE

**Answer:** A

**NEW QUESTION 140**

How can a stored procedure be invoked?

- A. Via an SQL SELECT statement
- B. Via a CALL statement using SPUFI
- C. Directly via a RUN PROGRAM command
- D. Via a CALL statement from within an application program

**Answer:** D

**NEW QUESTION 145**

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