

C2090-730^{Q&As}

DB2 9 Family Fundamentals

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QUESTION 1

If the following SQL statement is executed:

```
CREATE TABLE sales
```

```
(invoice_no NOT NULL PRIMARY KEY,
```

```
sales_date DATE,
```

```
sales_amt NUMERIC(7,2))
```

```
IN tbsp0, tbsp1, tbsp2, tbsp3
```

```
PARTITION BY RANGE (sales_date NULLS FIRST)
```

```
(STARTING '1/1/2007' ENDING '12/31/2007'
```

```
EVERY 3 MONTHS)
```

Which of the following statements is true?

- A. Administrative tasks such as backing up, restoring, and reorganizing data stored in the SALES table must be done at the table level; not at the partition level
- B. Data can be quickly rolled in and out of the SALES table by using the ATTACH PARTITION and DETACH PARTITION clauses of the ALTER TABLE statement
- C. If an index is created for the SALES table, its data must be stored in table space TBSP0
- D. When resolving queries against the SALES table, each partition used is scanned asynchronously and the results of each partition scan are merged to produce the result data set returned

Correct Answer: B

QUESTION 2

Which of the following tools can NOT be used to catalog a database?

- A. Control Center
- B. SQL Assist
- C. Configuration Assistant
- D. Command Line Processor

Correct Answer: B

QUESTION 3

Which of the following is NOT a characteristic of a data warehouse?

- A. Summarized queries that perform aggregations and joins
- B. Heterogeneous data sources
- C. Voluminous historical data
- D. Sub-second response time

Correct Answer: D

QUESTION 4

The following triggers were defined for a table named SALES in the order shown:

```
CREATE TRIGGER trigger_a NO CASCADE BEFORE UPDATE ON sales REFERENCING NEW AS new FOR EACH ROW SET new.commission = sale_amt * .05 WHERE invoice = n.invoice;
```

```
CREATE TRIGGER trigger_b AFTER INSERT ON sales REFERENCING NEW AS new FOR EACH ROW UPDATE sales SET bill_date = CURRENT DATE + 30 DAYS WHERE invoice = n.invoice; CREATE TRIGGER trigger_c NO CASCADE BEFORE DELETE ON sales FOR EACH ROW SIGNAL SQLSTATE '\75005\ SET MESSAGE_TEXT = \Deletes not allowed!\;
```

Which of the following statements is NOT true?

- A. Once a row has been added to the SALES table, it cannot be removed
- B. Whenever a row is inserted into the SALES table, the value in the BILL_DATE column is automatically set to 30 days from today
- C. Each time a row is inserted into the SALES table, trigger TRIGGER_A is fired first, followed by trigger TRIGGER_B
- D. Whenever a row in the SALES table is updated, all three triggers are fired but nothing happens because none of the triggers have been coded to trap update operations

Correct Answer: D

QUESTION 5

In which of the following scenarios would a stored procedure be beneficial?

- A. An application running on a remote client needs to be able to convert degrees Celsius to degrees Fahrenheit and vice versa

B. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables

C. An application running on a remote client needs to track every modification made to a table that contains sensitive data

D. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique, sequential employee number

Correct Answer: B

QUESTION 6

Given the following tables: TABLEA EMPIDNAME

1 USER1 2 USER2

TABLEB

EMPID WEEKNO PAYAMT

1 1 1000.00

1 2 1000.00

2 1 2000.00

and the fact that TABLEB was defined as follows:

CREATE TABLE tableb (empid SMALLINT,

weekno SMALLINT,

payamt DECIMAL(6,2),

CONSTRAINT const1 FOREIGN KEY (empid)

REFERENCES tablea(empid)

ON DELETE NO ACTION)

If the following command is issued:

DELETE FROM tablea WHERE empid=2

How many rows will be deleted from TABLEA and TABLEB?

A. TABLEA - 0, TABLEB - 0

B. TABLEA - 0, TABLEB - 1

C. TABLEA - 1, TABLEB - 0

D. TABLEA - 1, TABLEB - 1

Correct Answer: A

QUESTION 7

Given the following requirements:

Create a table named TESTTAB, which has an identity column named ACTIVITYNO. Define the identity column to generate the values for the column by default. Start the values at 10 and increment by 10. Make the identity column unique.

Which of the following CREATE statements will successfully create this table?

- A. CREATE TABLE TESTTAB (ACTIVITYNO SMALLINT NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 10 INCREMENT BY 10), ACTKWD CHAR(6) NOT NULL, ACTDESC VARCHAR(20) NOT NULL, UNIQUE(ACTIVITYNO))
- B. CREATE TABLE TESTTAB (ACTIVITYNO SMALLINT NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 1 INCREMENT BY 10), ACTKWD CHAR(6) NOT NULL, ACTDESC VARCHAR(20) NOT NULL, UNIQUE(ACTNO))
- C. CREATE TABLE TESTTAB (ACTIVITYNO SMALLINT NOT NULL GENERATED BY DEFAULT AS IDENTITY (START WITH 10 INCREMENT BY 1), ACTKWD CHAR(6) NOT NULL, ACTDESC VARCHAR(20) NOT NULL, UNIQUE(ACTIVITYNO))
- D. CREATE TABLE TESTTAB (ACTIVITYNO SMALLINT NOT NULL GENERATED BY DEFAULT AS IDENTITY (START WITH 10 INCREMENT BY 10), ACTKWD CHAR(6) NOT NULL, ACTDESC VARCHAR(20) NOT NULL, UNIQUE(ACTIVITYNO))

Correct Answer: D

QUESTION 8

Which two of the following are optional and do not have to be specified when creating a table?

- A. Table name
- B. Column name
- C. Default constraint
- D. Column data type
- E. NOT NULL constraint

Correct Answer: CE

QUESTION 9

Which of the following statements is used to prevent user TOM from adding and deleting data in table TAB1?

- A. REVOKE ADD, DELETE FROM USER tom ON TABLE tab1
- B. REVOKE ADD, DELETE ON TABLE tab1 FROM USER tom
- C. REVOKE INSERT, DELETE FROM USER tom ON TABLE tab1
- D. REVOKE INSERT, DELETE ON TABLE tab1 FROM USER tom

Correct Answer: D

QUESTION 10

Which of the following DB2 data types does NOT have a fixed length?

- A. INT
- B. CHAR
- C. XML
- D. DOUBLE

Correct Answer: C

QUESTION 11

Which of the following are NOT stored in the system catalog tables?

- A. SQL statements used to create views
- B. SQL statements used to create triggers
- C. SQL statements used to create constraints
- D. Table names

Correct Answer: A

QUESTION 12

If the following SQL statements are executed:

CREATE TABLE make (makeid SMALLINT NOT NULL PRIMARY KEY, make VARCHAR(25));

CREATE TABLE model (modelid SMALLINT,

model VARCHAR(25),

makeid SMALLINT,

CONSTRAINT const1 FOREIGN KEY (makeid)

REFERENCES make(makeid) ON DELETE RESTRICT);

And each table created is populated as follows: MAKE MAKEID MAKE 1 Ford

2 Chevrolet 3 Toyota MODEL

MODELID MODEL MAKEID 1 Mustang 1 2 Escort 1 3 Malibu 2 4 Camry 3

If the following SQL statement is executed:

DELETE FROM make WHERE makeid = 1

What is the total number of rows that will be deleted?

B. 1

C. 2

D. 3

Correct Answer: A

QUESTION 13

If the following SQL statements are executed:

CREATE TABLE tab1 (id SMALLINT NOT NULL PRIMARY KEY, name VARCHAR(25));

CREATE TABLE tab2 (empid SMALLINT,

weekno SMALLINT,

payamt DECIMAL(6,2),

CONSTRAINT const1 FOREIGN KEY (empid)

REFERENCES taba(id) ON UPDATE NO ACTION);

Which of the following statements is true?

A. Only values that exist in the ID column of table TAB1 are allowed to be inserted in the EMPID column of table TAB2

B. The updating of values in the ID column of table TAB1 is not allowed

C. Only values that do not already exist in the ID column of table TAB1 are allowed to be inserted in the EMPID column of table TAB2

D. When values that exist in the ID column of table TAB1 are updated, corresponding values in the EMPID column of table TAB2 are updated as well

Correct Answer: A

QUESTION 14

Which of the following DB2 data types does NOT have a fixed length?

- A. INT
- B. CHAR
- C. XML
- D. DOUBLE

Correct Answer: C

QUESTION 15

Which of the following DB2 objects can be referenced by an INSERT statement to generate values for a column?

- A. Sequence
- B. Identity column
- C. Trigger
- D. Table function

Correct Answer: A

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