

DB2 Questions

1. What is the collection of data designed to be used by different people is called
 - a) File
 - b) Database**
 - c) Tuple
 - d) Table

2. DB2 is
 - a) Database/Data communication system
 - b) Database
 - c) Relational Database Management system**
 - d) Programming language

3. What are the characteristics of Database Management Systems?
 - a) Non-redundancy
 - b) Data Independence
 - c) Increased Security
 - d) All of the above**

4. What are the aggregate functions supported by DB2 ?
 - a) SUM and AVG
 - b) SUM, MIN and MAX
 - c) SUM, MAX, MIN, AVG and COUNT**
 - d) NONE

5. EXPLAIN allows the user to obtain information regarding the optimizer's choice of access strategy for a given SQL statements.
 - a) True**
 - b) False

6. SELECT * FROM will retrieve all columns of the table meeting the selection criteria .

- a) **True**
- b) False

7. How does the defining of a stored procedure affect the size of a DB2 database?

- a) It increases the size of the database.
- b) It decreases the size of the database.
- c) **It does not affect the size of the database.**

8. What is contained in the DB2 nodelock file?

- a) database names
- b) database user names
- c) **license keys**
- d) server names

9. Which authority can be granted to a group of users using the GRANT statement?

- a) SYSCTRL
- b) **SYSADM**
- c) DBCTRL
- d) DBADM

10. Which SQL command successfully removes uncommitted changes from a DB2 database?

- a) **ROLLBACK**
- b) DELETE
- c) DROP
- d) DECOMMIT

11. Where is a view definition stored when the view is created?

- a) in the database log files
- b) in the user tablespace
- c) **in the system catalog tablespace**
- d) in the index tablespace

12. For which database object can a lock be obtained?

- a) a database directory
- b) **a database tablespace**
- c) a database bufferpool
- d) a database column

13. Given the statement

```
CREATE TABLE userid.test (  
    date_taken DATE NOT NULL,  
    number     SMALLINT NOT NULL,  
    PRIMARY KEY (number))
```

Which will be the schema name for the table:

- a) date_taken
- b) number
- c) test
- d) userid**

14. The following tables exist in the database:

db2.staff
userid.staff

An application issues the dynamic SQL call "select * from staff".
What determines the table which will be accessed?

- a) the userid of the binder of the package
- b) the userid connected to the database**
- c) the userid of the precompiler of the package
- d) the userid specified in the db2cli.ini file
- e) the userid of the creator of the staff table

15. What is the purpose of the COLLECTION parameter of precompile/bind parameter?

- a) define the name of the package
- b) provide an alias for the package
- c) define the schema of the package**
- d) define the database of the package

16. Which system catalog view can be used to determine when a bind operation was performed on a given package?

- a) SYSCAT.PRECOMPILE
- b) SYSCAT.PACKAGES**

- c) SYSCAT.BIND
- d) SYSCAT.TIMESTAMP
- e) SYSCAT.ACCESSPLAN

17. Which of the following programming methods will store an access plan within the database?

- a) Embedded Dynamic SQL
- b) Embedded Static SQL**
- c) Call Level Interface (CLI)

18. Which of the following programming method would you use if you want to restrict access to specific columns in your data?

- a) Embedded Dynamic SQL
- b) Embedded Static SQL**
- c) Call Level Interface (CLI)

19. What is the easiest method using DB2 to ensure that a columns values remain within a predetermined range?

- a) define a primary key on the column
- b) define a foreign key on the column
- c) define a table check constraint**
- d) define an insert constraint

20. How many rows can be retrieved using a SELECT INTO statement in an application?

- a) none
- b) 1**
- c) 2
- d) unlimited

21. Which of the following statements uses embedded dynamic SQL?

- a) SELECT col1 INTO :hv from table1
- b) DECLARE c1 CURSOR FOR s1**
- c) DECLARE c1 CURSOR for SELECT col1 INTO :hv FROM table1

d) IMMEDIATE SELECT col1 INTO :hv FROM table1

22. Which type of cursor should be used so that its position will be maintained between transactions?

- a) FOR HOLD
- b) FOR UPDATE
- c) FOR FETCH
- d) WITH HOLD**

23. When can cursors be used to begin accessing data from the database?

- a) after the cursor has been declared
- b) after the cursor's host variable has been initialized
- c) after the cursor has been opened**
- d) after the first fetch has occurred

24. What occurs when you close a cursor?

- a) the transaction is rolled back
- b) the transaction is committed
- c) the cursor is available to be used in a subsequent fetch
- d) the cursor must be reopened to be used in a subsequent fetch**

25. How would you determine you are at the end of the result set?

- a) check the NULL indicator host variable after each fetch
- b) check the SQLCA after closing the cursor
- c) check the SQLCA after each fetch**
- d) check the SQLDA after each fetch

26. How should a host variable be defined to be used as a NULL indicator?

- a) boolean
- b) integer**
- c) character
- d) binary large object

27. What must be done prior to capturing an EXPLAIN snapshot?

- A. Update the EXPLAIN directory.
- B. Create the EXPLAIN database.
- C. Rebind the EXPLAIN tool.
- D. Create the EXPLAIN tables.**

28.If a query is to provide a sorted result how might DB2 perform the sorting operation?

- A. DB2 will not sort the result
- B. DB2 will sort the data within the buffer pool
- C. DB2 will always sort the data on disk
- D. DB2 will attempt to perform the sort in memory**

29.Where would the SQL error code (SQLSTATE/SQLCODE) be reported?

- A. in the SQLDA data structure
- B. in the SQLCA data structure**
- C. in the DB configuration file
- D. in the event monitor log

30. Given the following statements:

Connect to sample
grant select on table t1 to public

Who can create a view based on the table t1?

- A. nobody
- B. everybody**
- C. DBADM
- D. SYSMAINT

Ans :

- 1) b
- 2) c
- 3) d
- 4) c
- 5) a

- 6) a
- 7) c
- 8) c
- 9) d
- 10) a
- 11) c
- 12) b
- 13) d
- 14) b
- 15) c
- 16) b
- 17) b
- 18) b
- 19) c
- 20) b
- 21) b
- 22) d
- 23) c
- 24) d
- 25) c
- 26) b
- 27) d
- 28) d
- 29) b
- 30) b