

DATABASE MANAGEMENT QUESTIONS

 enatexams.blogspot.in/2010/04/database-management-questions.html

1) You are managing the in-house database systems. You need to ensure that the user AMY can execute all operations against the SALES relation. What SQL statement sequence will you use?

- a) GRANT ALL PRIVILEGES WHERE FROM ON TO
 - b) GRANT ALL PRIVILEGES TO WHERE FROM
 - c) GRANT ALL PRIVILEGES WHERE FROM TO
 - d) ALL PRIVILEGES ON TO
 - e) GRANT ALL PRIVILEGES ON WHERE FROM
-

2) You are managing the in-house database systems. You are creating a series of secondary indexes in your relational database. By doing so, which of the following issues must be carefully considered .

- a) confusion in selection of optimal query execution method
 - b) disk space consumption
 - c) performance overhead
 - d) security
 - e) Either AB&C
-

3) Which of the following are the factors to consider when you want to select a DBMS based on the criteria of physical capabilities, as recommended by CIW ?

- a) hardware requirements
 - b) data compression support
 - c) encryption support
 - d) All of the above
-

4) Which of the following types of JDBC drivers allows your Java programs to communicate with the ODBC driver of your DBMS?

- a) Pure Java
 - b) JDBC-ODBC Bridge
 - c) Native-API
-

d) JDBC-net

5) In your program you want to use the JDBC-ODBC Bridge driver. What code do you use?

a) `Class.callName("sun.jdbc.odbc.JdbcOdbcDriver");`

b) `Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");`

c) `Class.callfunc("JdbcOdbcDriver");`

d) `Class.Name.init("sun.jdbc.odbc.JdbcOdbcDriver");`

6) Which of the following correctly describe the sequence of the DBMS operational process?

a) User issues request -> DBMS retrieves relevant mappings and executes the request DBMS intercepts the request DBMS presents the request to the user.

b) User issues request -> DBMS intercepts the request DBMS retrieves relevant mappings and executes the request DBMS presents the request to the user.

c) User issues request -> DBMS retrieves relevant mappings and executes the request DBMS presents the request to the user DBMS intercepts the request.

d) None of the above

7) You reject someone's proposal to use File-based databases. Which of the following are the disadvantages of such databases?

a) repetition of data

b) separation of data

c) incompatibility of files

d) data dependence

e) All of the above

8) Which of the following are valid rowset classes that you can use in your Java application ?

a) A `CachedRowSet` class

b) A `JavaSource` class

c) A `WebRowSet` class

d) A `JDBCRowSet` class

e) Either AC&D

9) Which of the following correctly describe the locking mechanism in a RDBMS?

- a) A read lock prevents other transactions from reading the locked data
 - b) A write lock prevents other transactions from reading or writing to the locked data
 - c) Multiple transactions can have write locks on the same data item.
 - d) Multiple transactions can have read locks on the same data item.
 - e) Either B&D
-

10) In the world of SQL relational database, the data type for varchar, in general, is:

- a) Fixed length string of n characters
 - b) Variable length string up to n characters
 - c) Floating point number of p bits precision
 - d) 16-bit signed integer
 - e) 32-bit signed integer
-

11) You run a SELECT statement, and multiple duplicates of values are retrieved. What keyword can you use to retrieve only the non duplicate data?

- a) DUBPLICATE
 - b) INDIVIDUAL
 - c) SEPARATE
 - d) DISTINCT
 - e) INDEX
-

12) Which of the following elements are the valid components of ACID in a relational database transaction?

- a) Atomicity
 - b) Consistency
 - c) Isolation
 - d) Durability
-

e) All of the above

13) In JDBC, what represents a single instance of a particular database session?

a) a thread

b) an opened connection

c) a closed connection

d) a pipe

14) What statement do you use to remove a schema and its related objects from your relational database?

a) DROP SCHEMA CASCADE

b) DROP SCHEMA RESTRICT

c) DROP SCHEMA ALL

d) DROP SCHEMA CLEAR

e) DROP SCHEMA OPTS

15) In a properly designed DBMS, concurrency control is provided by which of the following components.

a) Process Manager

b) Cache Manager

c) Transaction Manager

d) Lock Manager

e) C&D

16) Which of the following are valid CREATE statements in the world of DDL?

a) CREATE SCHEMA

b) CREATE TABLE

c) CREATE DOMAIN

d) CREATE INDEX

e) All of the above

17) What statement do you use to remove a schema and ensure that the removal takes place only if the schema is empty?

- a) DROP SCHEMA RESTRICT
- b) DROP SCHEMA OPTS
- c) DROP SCHEMA CASCADE
- d) DROP SCHEMA CLEAR

18) What is used by a properly designed DBMS to enable databases to be returned to the pre-transaction state should errors occur?

- a) two phase commit
- b) prefetch transaction
- c) one phase commit
- d) backup and restore
- e) All of the above

19) Under JDBC, which of the following types of instances can be created by the Connection object?

- a) PreparedStatement
 - b) CallableStatement
 - c) Statement
 - d) SQLStatement
 - e) AB&C
-