COURSE : DAC –FEB 2020

Subject : Database Technologies   Date : 5.1.2021
Time: 11 to 12   Duration : 1 hour

Q.NO.1
Using the COMMIT command in MySQL, we ensure that...

a. All changes done in previous transections are saved
b. All resources required to commit the changes are available
c. We can reverse the changes done in previous command(s)
d. None of the changes done in previous commands are effective

Q.NO.2
What are the different way to invoke procedure?

a. Using CALL <procedure name>
b. From Application
c. Both of the above
d. None of the above

Q.NO.3
Every table with primary key has minimum one Index.

a. Not necessarily true
b. May be true
c. Definitely true
d. False

Q.NO.4
Clusters are mainly designed and configured for.....

a. High Security
b. High Availability
c. High Quality Design
d. High Integrity

Q.NO.5 : Correct sequence of in knowledge pyramid is...

a. Drawing, Information, Knowledge, Wisdom
b. Data, Information, Known Facts, Wisdom
c. Wisdom, Data, Information, Knowledge
d. Data, Information, Knowledge, Wisdom

Q.NO.6
Which of the following ensures that data from the table can be retrieved uniquely?

a. Referential Integrity
b. Entity Integrity
c. Domain Integrity
d. All of the above

Q. No. 7
How are stored procedure secured?

    a. Using password
    b. By masking its name
    c. Both of the above
    d. None of the above

Q. No. 8
NoSQL databases do not have support for.........

    a. Joins
    b. Data storage
    c. Indexes
    d. Variety of data

Q. No. 9
MongoDB is _____ type of database.

    a. Graph Store
    b. Document
    c. Wide Column
    d. Key-Value Store

Q. No. 10
What A in CAP Theorem stands for?

    a. Atomicity
    b. Availability
    c. Assurance
    d. Activity

Q. No. 11
Data available in XML format is example of.....

    a. Unstructured Data
    b. Structured Data
    c. Semi Structured Data
    d. None of the above

Q. No. 12
In which of the models from below, developer of the database plays most active part?

    a. Conceptual
    b. Physical
    c. Logical
    d. None of the above

Q. No. 13
Limitation of cursor is…...

    a. You cannot skip few rows and jump to specific row of the data
    b. You can fetch only limited data in cursor
    c. Once opened they cannot be closed
    d. It increases server traffic

Q. No. 14
The main difference between 'truncate table' and 'drop table' is………

    a. TRUNCATE will totally remove data from table where as DROP table will only remove data without structure
    b. TRUNCATE will totally remove data from table where as DROP table will drop the entire table with structure
    c. TRUNCATE will remove few rows whereas Delete will delete few rows
    d. No difference. Truncate and Drop both generates similar result

Q. No. 15
In MySQL, NDB Data Engine is mainly used for…

    a. Index
    b. Data retrieve
    c. Cluster
    d. Procedure

Q. No. 16
If there is change in the logical structure of the database the user view of data should not change. This is the example of……….

    a. Logical Independence
    b. Physical Independence
    c. Conceptual Independence
    d. Security Independence

Q. 17
In equal join, data from which table in query, what type of data will get populated?

    a. Common data based on matching condition
    b. Uncommon data based on matching condition
    c. Data with same field names
    d. Data with different field names

Q. No. 18
Physical data model is generally different for each RDBMS

    a. True
    b. False
    c. Can't say
    d. Decided by customer

Q. No. 19 :Which of the following command is used to create database in MYSQL?

 a. Create DB
 b. Use Database
 c. Make Database
 d. Create Database

Q. No. 20
In a select clause when you specify multiple conditions using WHERE subclause, and you want the result with all the conditions satisfied, then following keyword is to be used?

 a. NOR
 b. OR
 c. AND
 d. NAND

Q. No. 21
In MySQL, _____ data type is used to check the value of the column from the given range of values?

 a. Int
 b. Char
 c. Enum
 d. Long

Q. No. 22
In MySQL, a temporary table with same name as existing table name can be created in same database.

 a. True
 b. False
 c. Can't say
 d. None of the above

Q. No. 23
Which of the following is one of the common features between SQL and NOSQL?

 a. Index
 b. Cursor
 c. Join
 d. Trigger

Q. No. 24
For highly interconnected data, _____ type of NoSQL is used

 a. Wide Column Stores
 b. Graph Stores
 c. Document Type
 d. Key-Value Store

Q. No. 25 : What is Hadoop?

    a. Data storage application
    b. Data processing application
    c. Framework to develop the data processing application
    d. Tool for developing only front end application GUI

Q. No. 26
Which among the following is primarily used by MongoDB for query purpose?
    a. SQL
    b. C
    c. JSON
    d. C++

Q. No. 27
Whenever any data is updated in Employee table, the old values of updated fields should be stored in some other pre created table. To implement this business logic, which of the following is best suited?

    a. Before insert trigger
    b. After insert trigger
    c. Before update trigger
    d. After update trigger

Q. No. 28
Procedure can return _____ values

    a. One
    b. More than One
    c. Zero
    d. All of the above

Q. No. 29
In which of the case view created will be updatable?
    a. When created using distinct clause
    b. When created using group clause
    c. When created using Join
    d. When created using simple select query

Q. No. 30
Why can't a newly created user in MYSQL will not be able to use the database created by other users?

    a. Because each user has to create a separate database
    b. Only root user can have access to any database
    c. User needs explicit Grants to get access to a database
    d. After every user created, Commit command is necessarily to be executed to get access to database

Q. No. 31
What is the major difference between the commands Alter and Update the data?

    a. Alter can change a value in cell of table where as Update is used to change the entire row of a table
    b. Both Update and Alter have the same purpose
    c. Update can change a value in cell of table where as Alter is used to change the entire row of a table
    d. Alter is used to change the structure of table where as Update is used to change the data of the table

Q. No. 32 : One of the challenges with Index is.....

    a. It's not very user friendly
    b. It gets applied at table level
    c. Every time data is updated within Indexed column, index is reshuffled
    d. They pose threat to integrity of data

Q. No. 33
When UNION command is used in MYSQL referring two tables then…..

    a. Only the common data between both the tables will be populated
    b. Only the uncommon data between both the tables will be populated
    c. All data from both the tables avoiding duplication will be populated
    d. All data from both the tables will be populated

Q. No. 34 : Drawback of Trigger is that……

    a. User entering the data from front end can bypass the trigger
    b. User have to understand the complex logic of trigger
    c. Trigger may overload the database server
    d. Trigger may sometime halt the legitimate operation of application as well

Q. No. 35
Key-Value type of NOSQL databases may pause the challenge like…

    a. It consumes more space
    b. Updating the part of data may be challenging
    c. It may not support partitioning of data
    d. It creates lot of load on database server

Q. No. 36
Which of the following command is used to delete the document from collection in MongoDB?

    a. Delete
    b. Drop
    c. Remove
    d. Truncate

Q. No. 37

In MYSQL, to remove the permission, which one the following command is used?

a. Revoke
b. Remove
c. Stop
d. Block

Q. No. 38
In 3rd Normal Form of database.......

a. Every Prime attribute is transitively dependent on non prime key attribute
b. Every non-prime attribute is transitively dependent on prime key attribute
c. Composite attribute is transitively dependent on prime key attribute
d. Primary attribute is transitively dependent on composite attribute

Q. No. 39
If you do not specify the database server's name/ipaddress while login to database server,.........

a. You will get connection failure error
b. You may get connected to any random working remote server
c. You may get connected to local database server, if present and working
d. You may get connected to last connected database server

Q. 40
Why are Procedures more preferred over the simple SQL queries in client-server kind of architecture in application building?

a. They are easier to create and use even for non-technical person
b. It reduces the overheads on database server as they are precompiled
c. User can directly make a call to it without any interface
d. Using a single procedure, all user requirements are taken care