

Professional Online Academy Vu Topper RM



CS403-P Database Management Practical Update MCQ'S Final Term



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Question No:1

(Marks:1)

Vu-Topper RM

Which of the following is a true option for Self join?

- A. Right table is joined with left table
- B. A table is joined with itself.**
- C. Inner join is performed on the tables and then attributes of one table are retrieved
- D. Left table is joined with right table

Question No:2

(Marks:1)

Vu-Topper RM

In _____ type of join, only those rows from two tables are joined that have same value in the common attribute.

- A. Left outer
- B. Right outer
- C. Full outer
- D. Inner**

Question No:3

(Marks:1)

Vu-Topper RM

The _____ JOIN returns all records from the left table, and the matching records from the right table.

- A. Inner
- B. Full outer
- C. Right outer
- D. Left outer**

Question No:4

(Marks:1)

Vu-Topper RM

_____ instruction is used for memory to memory The _____ JOIN returns all records from the right table, and the matching records from the left table.

- A. Inner
- B. Left outer
- C. Full outer
- D. Right outer**

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Question No:5

(Marks:1)

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The _____ JOIN returns all records when there is a match in left (table1) or right (table2) table records.

- A. Left outer
- B. Inner
- C. Right outer
- D. Full outer**

Question No:6

(Marks:1)

Vu-Topper RM

In _____ type of join, first inner join is performed on the participating tables and then resulting table is projected on the attributes of one table.

- A. Self
- B. Semi**
- C. Left outer
- D. Right outer

Question No:7

(Marks:1)

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A person who is responsible for proper working of database and DBMS is known as _____.

- A. Analyst
- B. Database Administrator**
- C. End User
- D. Application Programmer

Question No:8

(Marks:1)

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Microsoft SQL server is a _____ DBMS.

- A. Relational**
- B. Hybrid
- C. Hierarchical
- D. Network

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Question No:9

(Marks:1)

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Which of the following software is used to create and manage the database?

- A. Adobe Acrobat
- B. MS Word
- C. Microsoft SQL Server**
- D. WordPerfect

Question No:10

(Marks:1)

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In SQL server, data is stored in database in the form of _____.

- A. Images
- B. Files
- C. Tables**
- D. Objects

Question No:11

(Marks:1)

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Which of the following company develops SQL server software?

- A. HP
- B. Microsoft**
- C. Acer
- D. Oracle

Question No:12

(Marks:1)

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SQL server is a _____.

- A. DBMS**
- B. Database
- C. Application program
- D. Operating system

Question No:13

(Marks:1)

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In a Data Flow Diagram, _____ symbol is used to express the convergence of several data flow connections to a single point.

- A. Oval

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- B. Collector
- C. Diamond
- D. Merger**

Question No:14 (Marks:1) **Vu-Topper RM**
A Context Level Data Flow Diagram shows _____.

- A. Input/Output to and from the process and interaction with external entities**
- B. External entities only Detailed
- C. working of the system
- D. Data Store only

Question No:15 (Marks:1) **Vu-Topper RM**
A graphical representation of system showing flow of data between its different components is known as _____.

- A. Data Flow Diagram**
- B. Hierarchy Charts
- C. Gantt Chart
- D. Pie Chart

Question No:16 (Marks:1) **Vu-Topper RM**
Which of the following diagram is most commonly use for designing databases?

- A. Tree Diagram
- B. Data Flow Diagram**
- C. Block Diagram
- D. Sequence Diagram

Question No:17 (Marks:1) **Vu-Topper RM**
A simple rectangle symbol in Data Flow Diagram is used to represent _____.

- A. External Entities
- B. Processes**

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- C. Data Store
- D. Level

Question No:18 (Marks:1) **Vu-Topper RM**

The first step of creating level 0 Data Flow Diagram is to _____.

- A. Establish link between different entities
- B. Identify prominent modules of system**
- C. Represent interaction between external entities
- D. Create a Data Store

Question No:19 (Marks:1) **Vu-Topper RM**

Arrow symbol in Data Flow Diagram represents _____.

- A. System components
- B. Flow of data**
- C. Entity
- D. Decision making

Question No:20 (Marks:1) **Vu-Topper RM**

A type of Data Flow Diagram which provides minimal amount of details about the working of system is known as _____.

- A. Context diagram**
- B. Level 2 diagram
- C. Level 1 diagram
- D. Level 3 diagram

Question No:21 (Marks:1) **Vu-Topper RM**

A DATA STORE in Data Flow Diagram is represented by _____.

- A. An arrowDiamond symbol
- B. Rectangle open on right width and left width of the rectangle drawn with double lines
- C. Rectangle open on left width and right width of the rectangle drawn with single line**

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Question No:22

(Marks:1)

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Which of the following is the main user interface of Microsoft SQL server?

A. Graphical User Interface

B. Gesture-based Interface

C. Voice-activated interface

D. Modular Interface

Question No:23

(Marks:1)

Vu-Topper RM

The basic purpose of Microsoft SQL server is _____.

A. To fetch the data from Internet links

B. To design web pages

C. To represent data in graphical form

D. To store and retrieve data from database

Question No:24

(Marks:1)

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How many users can access data stored in a database using SQL server?

A. Only one user at a time

B. Maximum 10 users

C. Many users concurrently

D. Exactly 50 users

Question No:25

(Marks:1)

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Which of the following action is performed on a relation to remove the transitive dependency?

A. Aggregation

B. Augmentation

C. Decomposition

D. Composition

Question No:26

(Marks:1)

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From the following options, Choose the correct statement for the third normal form.

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- A. There is partial dependency in the relation
- B. Non key attribute is dependent on another non key attribute
- C. No non key attribute is dependent on another non key attribute**
- D. There is redundant data in the relation

Question No:27 (Marks:1) **Vu-Topper RM**

If a relation is not in third normal form, then anomalies are due to

- _____.
- A. Full functional dependency
 - B. Transitive dependency**
 - C. Partial dependency
 - D. Reflexive dependency

Question No:28 (Marks:1) **Vu-Topper RM**

A transitive dependency occurs when _____.

- A. Non-key attribute is dependent on another non-key attribute**
- B. Primary key attribute is dependent on non-key attribute
- C. Non-key attribute is not dependent on another non-key attribute
- D. Part of the key is dependent on key attribute

Question No:29 (Marks:1) **Vu-Topper RM**

The anomalies caused by transitive dependency in a relation are removed by _____.

- A. Changing primary key
- B. Breaking down the relation**
- C. Reducing number of rows
- D. Reducing number of columns

Question No:30 (Marks:1) **Vu-Topper RM**

A table is in third normal form if it is in second normal form and there is no _____.

- A. Full functional dependency
- B. Transitive dependency**

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- C. Consistency
- D. Partial dependency

Question No:31 (Marks:1)

Vu-Topper RM

A relation is in third normal form if _____.

- A. It has a transitive dependency
- B. It has multivalued attributes
- C. It is already in second normal form**
- D. It has a partial dependency

Question No:32 (Marks:1)

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Consider the following relation:

STD(stId, stName, stAdr, prName, prCrds)

stId → stName, stAdr, prName, prCrds

prName → prCrds

Which of the following dependency exist in above relation?

- A. Terminal dependency
- B. Transitive dependency**
- C. Composite dependency
- D. Reflexive dependency

Question No:33 (Marks:1)

Vu-Topper RM

Which of the following commands is used to create a database table and its structure?

- A. DML
- B. DCL
- C. DQL
- D. DDL**

Question No:34 (Marks:1)

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Which of the following is NOT related to CREATE TABLE command?

- A. Constraints
- B. Records**

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- C. Data types
- D. Attributes

Question No:35 (Marks:1) **Vu-Topper RM**

Which of the following is NOT a type of integer data type in SQL?

- A. Smallerint**
- B. Int
- C. Smallint
- D. Smallint

Question No:36 (Marks:1) **Vu-Topper RM**

Which of the following is the correct syntax for creating a database table?

- A. CREATE MYSQL TABLE name;
- B. TABLE name CREATE;
- C. CREATE TABLE;
- D. CREATE TABLE name;**

Question No:37 (Marks:1) **Vu-Topper RM**

Which of the following is the correct syntax for inserting some values into the employee table?

- A. INSERT into (col1, col2, col3) VALUES (val1, val2, val3)
- B. INSERT into employee COLUMN (col1, col2, col3) VALUES (val1, val2, val3)
- C. INSERT into employee (col1, col2, col3), (val1, val2, val3)
- D. INSERT into employee (col1, col2, col3) VALUES (val1, val2, val3)**

Question No:38 (Marks:1) **Vu-Topper RM**

_____ SQL statement is used to enter values into columns.

- A. ENTER INTO
- B. PUT INTO
- C. INSERT INTO**

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D. INSERT TO

Question No:39

(Marks:1)

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_____ in SQL table is used to uniquely identify individual rows of a given table.

- A. NOT NULL constraints
- B. Foreign key column
- C. Primary key column**
- D. Secondary key column

Question No:40

(Marks:1)

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Consider the following two sets:

$$X = [a, b]$$

$$Y = \{1,3,5\}$$

Then the Cartesian product of A and B (i.e. $X \times Y$) will be equal to:

- A. $\{(a, a), (a,3), (a,1), (b,5), (b,5), (b,3)\}$
- B. $\{(a,1), (b,1), (a,5), (b,3), (a,5), (b,5)\}$
- C. $\{(a,1), (a,3), (a,5), (b,1), (b,3), (b,5)\}$**
- D. $\{(a,1), (a,5), (a,3), (b,5), (b,1), (b,5)\}$

Question No:41

(Marks:1)

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What is the basic component/structure of Relational Data Model?

- A. Tuple
- B. Model
- C. Relation**
- D. Schema

Question No:42

(Marks:1)

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In relational database, each cell of a table cannot have _____ .

- A. Numeric values
- B. String values
- C. Multiple values**
- D. Unique values

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Question No:43

(Marks:1)

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Which of the two data models were used before the relational data model?

- A. Object Oriented and Flat Data Model
- B. Hierarchical and Network Data Model**
- C. Network and Object Oriented Data Model
- D. Flat Data model and Hierarchical Data Model

Question No:44

(Marks:1)

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A cell of a table is the intersection of row and a _____.

- A. Tuple
- B. Degree
- C. Column**
- D. Record

Question No:45

(Marks:1)

Vu-Topper RM

In a table, column represents _____.

- A. Instances
- B. Records
- C. Data
- D. Attributes**

Question No:46

(Marks:1)

Vu-Topper RM

Column of the table in the relational database are identified by

_____.

- A. Key
- B. Name**
- C. Value
- D. Serial number

Question No:47

(Marks:1)

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Rows of the table in the relational database are identified by

_____.

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- A. Row name
- B. Header
- C. Key values**
- D. Serial number

Question No:48

(Marks:1)

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Table is a _____ representation of a relation.

- A. Six Dimensional
- B. Two Dimensional**
- C. Three Dimensional
- D. Four Dimensional

Question No:49

(Marks:1)

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In an Entity Relationship diagram, a rectangle represents _____.

- A. Attributes
- B. Identifier
- C. Entities**
- D. Relationship

Question No:50

(Marks:1)

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_____ represents characteristics of an object.

- A. Attribute**
- B. Relationship
- C. Modality
- D. Cardinality

Question No:51

(Marks:1)

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According to the definition of an entity, which of the following is NOT included in it?

- A. Object
- B. Person
- C. Concept

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D. Action

Question No:52 (Marks:1) **Vu-Topper RM**

The instances of _____ cannot exist independently?

- A. Strong Entity
- B. Weak Entity**
- C. Naming Entity
- D. Hybrid Entity

Question No:53 (Marks:1) **Vu-Topper RM**

Relationships between two entities in the Entity Relationship Data

Model are represented by _____.

- A. Rectangular box
- B. Diamond symbol**
- C. Line
- D. Oval symbol

Question No:54 (Marks:1) **Vu-Topper RM**

Which of the following is used to represents an association between different entities?

- A. Relationship**
- B. Entity
- C. Attribute
- D. Identify

Question No:55 (Marks:1) **Vu-Topper RM**

_____ represents characteristics of an object.

- A. Attribute**
- B. Cardinality
- C. Modality
- D. Relationship

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Question No:56

(Marks:1)

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In Entity Relationship Data Model, which of the following symbol is used to represent Entity Type?

- A. Parallelogram
- B. Diamond
- C. Oval
- D. Rectangle**

Question No:57

(Marks:1)

Vu-Topper RM

INSERT INTO statement is used to enter values into _____.

- A. Only particular column
- B. All columns**
- C. Not null columns only
- D. Key value columns only

Question No:58

(Marks:1)

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The _____ clause is used in combination with the GROUP BY clause. It can be used in a SELECT statement to filter the records that a GROUP BY returns.

- A. HAVING**
- B. JOIN
- C. LIKE
- D. ORDER BY

Question No:59

(Marks:1)

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_____ in SQL table is used to uniquely identify individual rows of a given table.

- A. Secondary key column
- B. Foreign key column
- C. NOT NULL constraints
- D. Primary key column**

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Question No:60

(Marks:1)

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_____ value is returned by the SQL Aggregate function.

- A. Twice
- B. Single**
- C. Infinite
- D. NULL

Question No:61

(Marks:1)

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The _____ function helps to reduce the use of multiple OR conditions.

- A. IN**
- B. AND
- C. NOT
- D. GROUP

Question No:62

(Marks:1)

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Which of the following is a correct syntax for creating a Database named employee?

- A. CREATE SQL DATABASE employee;
- B. CREATE MYSQL Database employee
- C. CREATE DATABASE employee;**
- D. CREATE TABLE employee;

Question No:63

(Marks:1)

Vu-Topper RM

Which of the following is the correct syntax for creating a database table?

- A. CREATE TABLE name;**
- B. CREATE TABLE;
- C. CREATE MYSQL TABLE name;
- D. TABLE name CREATE;

Question No:64

(Marks:1)

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Which function returns the largest value of the column?

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- A. LARGE()
- B. AVG()
- C. MIN()
- D. MAX()**

Question No:65 (Marks:1)

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What does COUNT() function return?

- A. Largest value
- B. Smallest value
- C. Average value
- D. Number of rows**

Question No:66 (Marks:1)

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The _____ clause can be used in a SELECT statement to collect data across multiple records and organize the results by one or more columns.

- A. ORDER BY
- B. HAVING
- C. LIKE
- D. GROUP BY**

Question No:67 (Marks:1)

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Consider the following Employees table and SQL command.

empIdsalarydept_id

1001 62000500

1002 57500500

1003 71000 501

1004 42000501

SELECT dept_id, COUNT(*) AS total

FROM employees

WHERE salary > 50000

GROUP BY dept_id;

What will be the output of above command?

- A. dept_idtotal

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500 2

501 2

B. dept_idtotal

500 1

501 1

C. dept_idtotal

500 2

501 1

Question No:68

(Marks:1)

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Which of the following is an aggregate function?

Reload Math Equations

A. All of above

B. AVG

C. MAX

D. SUM

Question No:69

(Marks:1)

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_____ is a DML command.

A. CREATE

B. DROP

C. SELECT

D. ALTER

Question No:70

(Marks:1)

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The _____ clause allows you to sort the records in your result set.

A. LIKE

B. HAVING

C. GROUP BY

D. ORDER BY

Question No:71

(Marks:1)

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Consider the following Employees table and SQL command.

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empIdsalarydept_id

1001 62000500

1002 57500500

1003 71000 501

1004 42000501

SELECT COUNT(DISTINCT dept_id) AS total

FROM employees

WHERE salary > 50000;

What will be the output of above command?

A. Total 3

B. Total 1

C. Total 2

D. Total 4

Question No:72

(Marks:1)

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Which of the following statement is true about the distinct keyword?

A. Remove duplicate key values

B. Remove duplicate values

C. Remove duplicate columns

D. Used with DDL commands

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