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## CS403 Final Term Papers By Waqar (File 3)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is not the responsibility of DBMS

Answer ( Please select your correct option )

- Support for Data Communication
- Integrity Services
- Data processing
- Grant of access rights

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120:00

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

In which of the following situations, Clustering is suitable:

Answer ( Please select your correct option )

- Frequently up-dating
- Relatively static
- Frequently deletion
- Relatively dynamic

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Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Vertical partitioning is done on the basis of

Answer ( Please select your correct option )

- Attributes
- Rows
- Clustering
- Replication

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Question No : 4 of 52 Marks: 1 (Budgeted Time 1 Min)

SQL is an \_\_\_\_\_ standard computer language

Answer ( Please select your correct option )

- ANSI
- General
- Cold fusion
- Interactive

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Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following statements creates a database named COMPANY.

Answer ( Please select your correct option )

- CREATE DATABASE COMPANY
- CREATE DB company
- ADD DATABASE copmany
- CREATE company DATABASE

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Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is used to access and manipulate data.

Answer ( Please select your correct option )

- DDL
- DML
- DCL
- ERD

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Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not true about relational tables?

Answer ( Please select your correct option )

- Values of an attribute are of the same type.
- Primary Key identifies records uniquely.
- Each column must have a unique name.
- The sequence of rows is significant.

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Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

IF  $D \rightarrow E$  and  $E \rightarrow F$  then  $D \rightarrow F$ .  
This inference rule is called as \_\_\_\_\_.

Answer ( Please select your correct option )

- Transitivity
- Additive
- Projectivity
- Augmentation

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Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Function does not use input parameter?

Answer ( Please select your correct option )

- LOWER
- UPPER
- LEN
- CURRENT\_TIME

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Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

"Select \* from STUDENT, DEPARTMENT" is an example of

Answer ( Please select your correct option )

- Cartesian Join
- Inner Join
- Outer Join
- Full Outer Join

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Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a DDL Command?

Answer ( Please select your correct option )

- Create table
- Alter table
- Insert into
- Create database

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Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following stores the Textual Data?

Answer ( Please select your correct option )

- Tinyint
- Smallint
- Bigint
- Varchar

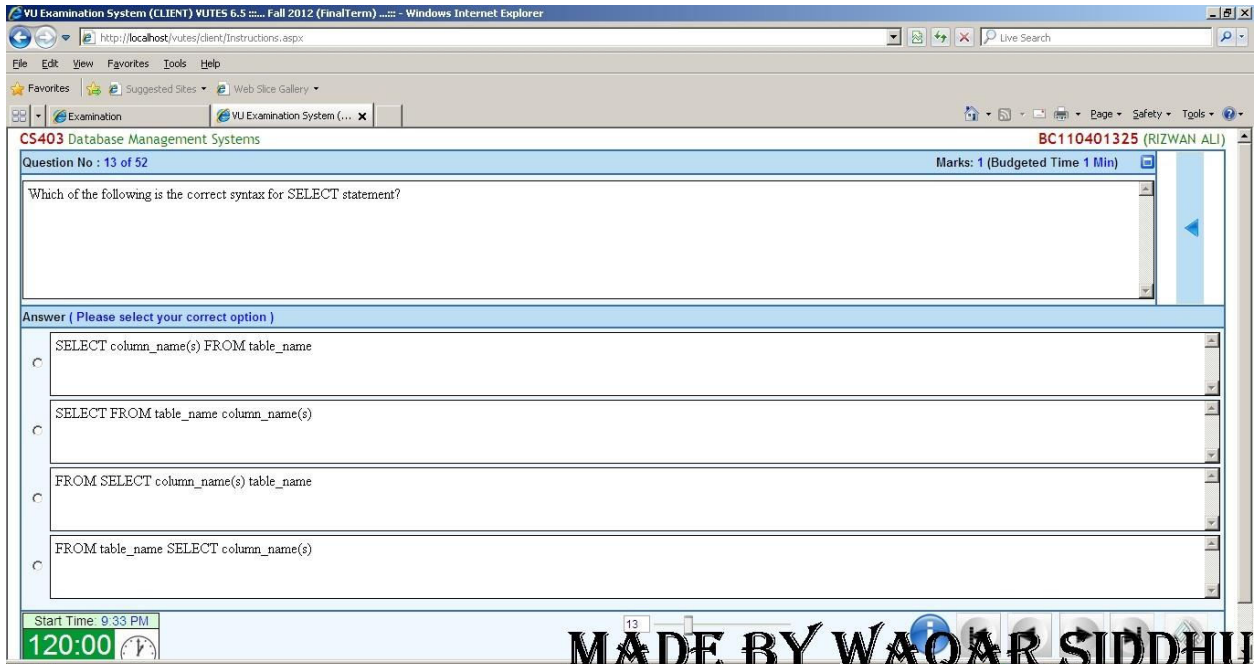
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Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is the correct syntax for SELECT statement?

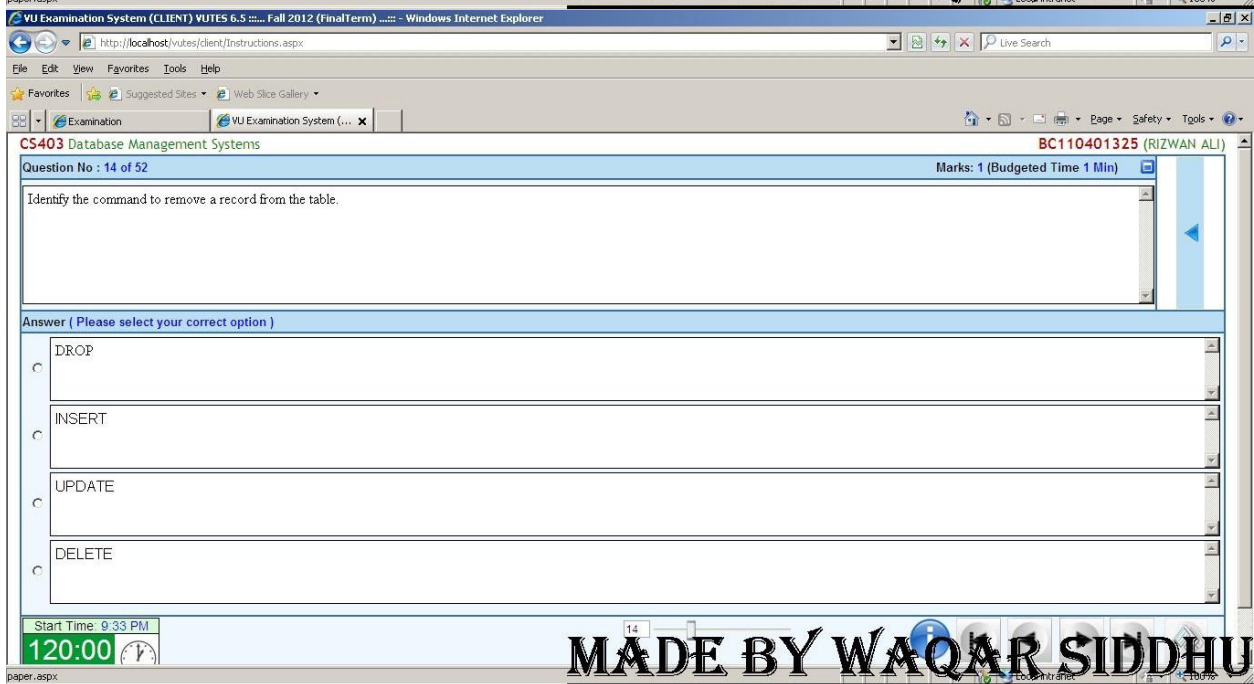
Answer ( Please select your correct option )

- SELECT column\_name(s) FROM table\_name
- SELECT FROM table\_name column\_name(s)
- FROM SELECT column\_name(s) table\_name
- FROM table\_name SELECT column\_name(s)

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Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

Identify the command to remove a record from the table.

Answer ( Please select your correct option )

- DROP
- INSERT
- UPDATE
- DELETE

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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a type of user interface?

Answer ( Please select your correct option )

- Graphical User Interface (GUI)
- Forms
- Database Schema
- Text based Interface

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Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not correct about input forms?

Answer ( Please select your correct option )

- Provide an easy, effective, efficient way to enter data into a table
- Especially useful when the person entering the data is not familiar with the inner workings
- Provide different controls to add data into the tables
- One input forms can populate one table at a time

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Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

\_\_\_\_\_ is a control that presents a set of choices from which a user can select one or more items, items can be text, graphics, or both.

Answer ( Please select your correct option )

- Button
- List box
- Text input
- Report

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Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

The main memory of a computer system is also known as

Answer ( Please select your correct option )

- ROM
- RAM
- PROM
- Hard disk

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Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is incorrect regarding Indexes?

Answer ( Please select your correct option )

- It can not be created on composite attributes.
- Index can be defined even when there is no data in the table.
- It support Range selections.
- It can be created using 'Create Index' statement.

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Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

CLUSTERED Index is created automatically, when we create \_\_\_\_\_

Answer ( Please select your correct option )

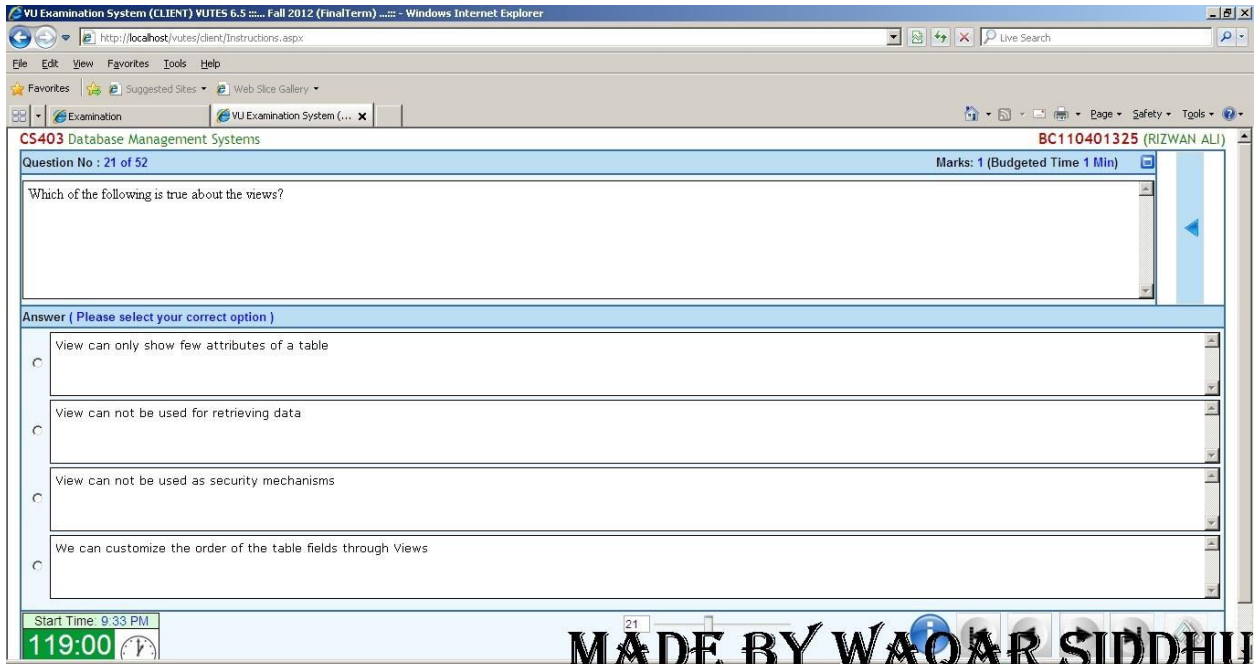
- ERD
- Database
- Cross Reference Matrix
- Primary Key

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Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

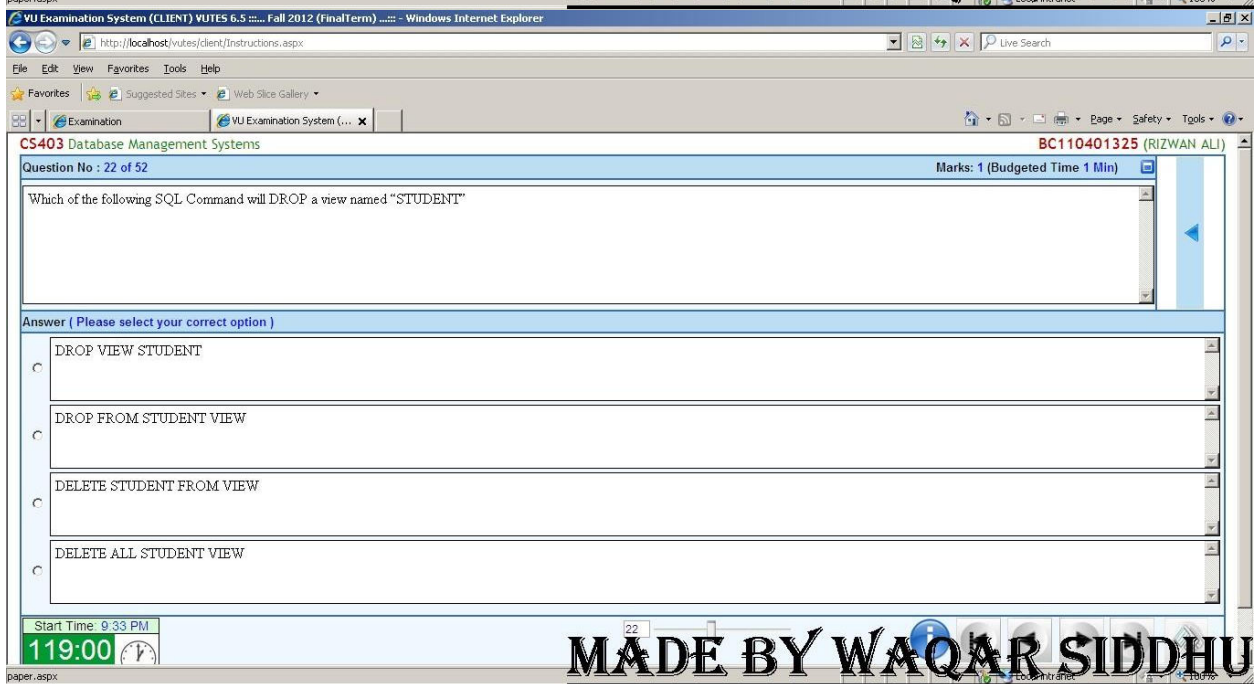
Which of the following is true about the views?

Answer ( Please select your correct option )

- View can only show few attributes of a table
- View can not be used for retrieving data
- View can not be used as security mechanisms
- We can customize the order of the table fields through Views

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Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following SQL Command will DROP a view named "STUDENT"

Answer ( Please select your correct option )

- DROP VIEW STUDENT
- DROP FROM STUDENT VIEW
- DELETE STUDENT FROM VIEW
- DELETE ALL STUDENT VIEW

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

To access a file ABC, sequential file access involves too much \_\_\_\_\_ as compared to direct file access.

Answer ( Please select your correct option )

- Time, Space and number of files
- Number of Files
- Space
- Time

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

A file with \_\_\_\_\_ records, with sequential access file, an average of \_\_\_\_\_ key comparisons are necessary.

Answer ( Please select your correct option )

- 10000, 5500
- 10000, 5000
- 10000, 4500
- 10000, 500

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- Page title: CS403 Database Management Systems
- Page number: 27
- Question No: 27 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Which of following is INCORRECT about "Materialized Views"?
- Answer options:
  - These are suitable in "Data Warehouses".
  - These are schema objects which can be use to summaries the data.
  - They can not be partitioned.
  - Their existence is transparent to SQL applications and users.
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- Page title: CS403 Database Management Systems
- Page number: 28
- Question No: 28 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Which of the following is not the property of Transaction?
- Answer options:
  - Atomicity
  - Consistency
  - Redundancy
  - Durability
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- Page title: CS403 Database Management Systems
- Page number: Question No : 29 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question text: Dead Lock can be prevented by giving each transaction a \_\_\_\_\_.
- Answer options (radio buttons):
  - Priority
  - Name
  - Clustered Index
  - Cartesian Join
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- Page title: CS403 Database Management Systems
- Page number: Question No : 30 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question text: \_\_\_\_\_ is used to detect the dead lock.
- Answer options (radio buttons):
  - Wait-for graph
  - Cross Reference Matrix
  - Inner Join
  - Clustered Index
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Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

To read a database object, it is first brought into \_\_\_\_\_ from disk, and then its value is copied into a program variable.

Answer ( Please select your correct option )

- Main Memory
- Flash Memory
- SATA Hard Disk
- Solid State Hard Disk

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Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

Locking is maintained by \_\_\_\_\_.

Answer ( Please select your correct option )

- End User
- Form Designer
- Lock Manager
- User Interface

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- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 33 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question text: "After execution of 'commit' statement, \_\_\_\_\_ is updated first."
- Answer options:
  - Database Buffer
  - Clustered-Index
  - Non-Clustered Index
  - Application Program
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- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 34 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question text: "Which of the following feature provides more data reliability in a DBMS?"
- Answer options:
  - Data Sharing
  - Controlled redundancy
  - Better Data Integrity
  - Concurrency
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Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

Attributes that jointly make a composite attribute are called \_\_\_\_\_ of that attribute.

Answer ( Please select your correct option )

- Entity
- Instance
- Domain
- Components

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

How we CANNOT determine the cardinalities of a system?

Answer ( Please select your correct option )

- By interviewing the Users
- Through analysis of the Organization
- Using the system requirements
- Creating by ourselves

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Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

As a general rule, which external entity of DFD cannot appear as an entity type in ERD?

Answer ( Please select your correct option )

- An entity with many instances
- A super-type entity
- A subtype entity
- An entity type for which instance is single

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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is true about foreign key?

Answer ( Please select your correct option )

- Foreign key should not be from the same domain as is the primary key
- Foreign key and Primary key names must be same
- There can be only ONE foreign key in a table/relation
- Home relation of foreign key attribute is the one, which is present as primary in another relation

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes a header "CS403 Database Management Systems" and a user ID "BC110401325 (RIZWAN ALI)". The question is "Question No : 39 of 52" with "Marks: 1 (Budgeted Time 1 Min)". The question text is "In which type of relationship, PK of the same Entity type can be used as FK?". Below the question is an "Answer ( Please select your correct option )" section with four radio button options: "One-to-many", "One-to-one", "Many-to-many", and "Recursive". A timer at the bottom left shows "Start Time: 9:33 PM" and "119:00". A large watermark "MADE BY WAQAR SIDDHU" is overlaid on the right side of the page.

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes a header "CS403 Database Management Systems" and a user ID "BC110401325 (RIZWAN ALI)". The question is "Question No : 41 of 52" with "Marks: 2 (Budgeted Time 4 Min)". The question text is "Discuss the situation in which we use GROUP BY clause?". Below the question is an "Answer ( Please click here to Add Answer )" section with a rich text editor. A timer at the bottom left shows "Start Time: 9:33 PM" and "119:00". A watermark "MADE BY WAQAR SIDDHU" is overlaid on the right side.

The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes a header "CS403 Database Management Systems" and a user ID "BC110401325 (RIZWAN ALI)". The question is "Question No : 42 of 52" with "Marks: 2 (Budgeted Time 4 Min)". The question text is "What are the two ways to create a new view in the database?". Below the question is an "Answer ( Please click here to Add Answer )" section with a rich text editor. A timer at the bottom left shows "Start Time: 9:33 PM" and "119:00". A watermark "MADE BY WAQAR SIDDHU" is overlaid on the right side.

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes the course name "CS403 Database Management Systems", the student ID "BC110401325 (RIZWAN ALI)", and the question number "Question No : 43 of 52". The question text is "Discuss any two situations of Concurrent Access of data?". Below the question is an "Answer" section with a rich text editor. A timer at the bottom left shows "Start Time: 9:33 PM" and "119:00". A watermark "MADE BY WAQAR SIDDHU" is overlaid on the right side of the page.

The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes the course name "CS403 Database Management Systems", the student ID "BC110401325 (RIZWAN ALI)", and the question number "Question No : 44 of 52". The question text is "Why we use Cross Reference Matrix?". Below the question is an "Answer" section with a rich text editor. A timer at the bottom left shows "Start Time: 9:33 PM" and "119:00". A watermark "MADE BY WAQAR SIDDHU" is overlaid on the right side of the page.

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes:

- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 45 of 52
- Marks: 3 (Budgeted Time 6 Min)
- Question text: `SELECT * FROM Persons WHERE FirstName LIKE '%a';` What does the above statement return?
- Answer field: A rich text editor with a toolbar and a large empty text area.
- Start Time: 9:33 PM
- Timer: 119:00

A watermark "MADE BY WAQAR SIDDHU" is overlaid on the bottom right of the screenshot.

The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes:

- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 46 of 52
- Marks: 3 (Budgeted Time 6 Min)
- Question text: Suppose, we have an ERD having two entities, Voter and Ballot paper. There is one to one relationship between these two entities. Voter Entity has attributes as; Voter-CNIC, Voter-name. Ballot Paper Entity has attributes as;
- Answer field: A rich text editor with a toolbar and a large empty text area.
- Start Time: 9:33 PM
- Timer: 119:00

A watermark "MADE BY WAQAR SIDDHU" is overlaid on the bottom right of the screenshot.

For Solved Visit **VU Answer**

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes:

- Page title: CS403 Database Management Systems
- Page number: 46 of 52
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 46 of 52
- Marks: 3 (Budgeted Time 6 Min)
- Question text: "Ballot Paper Entity has attributes as; Paper-id, Paper-type. Paper-id = Ballot Paper Serial Number. Paper-type = Vote is conducted for Provincial or National Assembly"
- Answer field: A rich text editor with a toolbar and a large empty text area.
- Start Time: 9:33 PM
- Timer: 119:00

A watermark "MADE BY WAQAR SIDDHU" is overlaid on the bottom right of the screenshot.

The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes:

- Page title: CS403 Database Management Systems
- Page number: 47 of 52
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 47 of 52
- Marks: 3 (Budgeted Time 6 Min)
- Question text: "Analyze the statement given below and identify as correct or incorrect. Justify your answer in either case. 'Usually, we prefer direct access over sequential access of files.'"
- Answer field: A rich text editor with a toolbar and a large empty text area.
- Start Time: 9:33 PM
- Timer: 119:00

A watermark "MADE BY WAQAR SIDDHU" is overlaid on the bottom right of the screenshot.

For Solved Visit **VU Answer**



For Solved Visit **VU Answer**

VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer

http://localhost/vutes/client/Instructions.aspx

File Edit View Favorites Tools Help

Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 48 of 52 Marks: 3 (Budgeted Time 6 Min)

Give an Example of Dead Lock.

Answer ( Please click here to Add Answer )

Start Time: 9:33 PM

119:00

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VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer

http://localhost/vutes/client/Instructions.aspx

File Edit View Favorites Tools Help

Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Analyze the below query and find out why it will not work? Also correct the error(s).

```
SELECT * FROM customer WHERE Year>'2004';
```

Answer ( Please click here to Add Answer )

Start Time: 9:33 PM

119:00

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For Solved Visit **VU Answer**

For Solved Visit **VU Answer**

VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer

http://localhost/vutes/client/Instructions.aspx

File Edit View Favorites Tools Help

Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

Create a view named STUDENT-LIST on CUSTOMER table to show only CST-ID in ascending order of those customers, who belongs to GUIRANWALA city

CUSTOMER (CST-ID, CST-NAME, CITY)

Answer ( Please click here to Add Answer )

Start Time: 9:33 PM

119:00

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VU Examination System (CLIENT) VUTES 6.5 ..... Fall 2012 (Final Term) ..... - Windows Internet Explorer

http://localhost/vutes/client/Instructions.aspx

File Edit View Favorites Tools Help

Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

If we have two tables Table 1 and Table 2. Table 1 and Table 2 have same attributes and same records in them. Consider, we have 20 indexes on Table 1 and 14 indexes on Table 2. In Index Sequential File, we want to perform three operations (Insertion, Updation and Searching) on values in both tables. Keeping in mind, the scenario above, analyze the statements given below and identify as correct or incorrect.

A – Time to insert value in Table 1 is greater than in Table 2.

Answer ( Please click here to Add Answer )

Start Time: 9:33 PM

118:00

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For Solved Visit **VU Answer**

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

Suppose A, B, C are three relational database operations (insert, update, delete) on a table. Assuming all three are equally costly. Which of the following statements is correct or incorrect.

A – Time to insert value in Table 1 is greater than in Table 2.  
B – Time to update value in Table 2 is greater than in Table 1.  
C – Time to retrieve data from Table 1 is less than Table 2.

Answer ( [Please click here to Add Answer](#) )

Start Time: 9:33 PM  
**118:00**

**MADE BY WAQAR SIDDHU**

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 52 of 52 Marks: 5 (Budgeted Time 10 Min)

Map each option of Column1 with appropriate option in Column2

Column 1	Column 2
1: Strong entity	A: Successful candidate key

Answer ( [Please click here to Add Answer](#) )

Start Time: 9:33 PM  
**118:00**

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For Solved Visit **VU Answer**

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 ... Fall 2012 (Final Term) ...". The address bar shows "http://localhost/vutes/client/Instructions.aspx". The page content includes:

- Course: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 52 of 52
- Marks: 5 (Budgeted Time 10 Min)

2: Primary key	B: May or may not return unique instance
2: Secondary key	C: Dependent existence
3: Weak entity	D: Independent existence

Below the question is an "Answer ( Please click here to Add Answer )" section with a rich text editor.

At the bottom left, a timer shows "Start Time: 9:33 PM" and "118:00". At the bottom right, the text "MADE BY WAQAR SIDDHU" is overlaid.

For Solved Visit **VU Answer**