

For Solved Visit **VU Answer**

CS403 Final Term Papers by Waqar (File 6)

VU Examination System (CLIENT) VUTES 6.5 Fall 2012 (FinalTerm) - Windows Internet Explorer

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Examination VU Examination System (... x)

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 updating
- Relatively static
- Frequently deletion
- Relatively dynamic

Correct Answer solved by hadi
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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.

ok A DML is a language, which enables users 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) ok Additivity or Union:

- 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

cnfrm kar lo String (LOWER, UPPER, SUBSTRING, LEN)

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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 dot Correct Answer solved by hadi email : usmanraj20@gmail.com Cell : 03228043306
- 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 Correct Answer solved by hadi email : usmanraj20@gmail.com Cell : 03228043306
- 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
- Biggint
- 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 **a and c both chk this**
- 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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CS403 Database Management Systems **BC110401325 (RIZWAN ALI)**

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 **check must**
- Cross Reference Matrix
- Primary Key

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CS403 Database Management Systems **BC110401325 (RIZWAN ALI)**

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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- Page title: CS403 Database Management Systems
- Question No: 22 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Which of the following SQL Command will DROP a view named "STUDENT"
- Options:
 - DROP VIEW STUDENT
 - DROP FROM STUDENT VIEW
 - DELETE STUDENT FROM VIEW
 - DELETE ALL STUDENT VIEW
- Correct Answer solved by hadi
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- Page title: CS403 Database Management Systems
- Question No: 23 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Which of the following command shows all the columns from "PRODUCT-VIEW?"
- Options:
 - SELECT * FROM PRODUCT-VIEW
 - SELECT PRODUCT-VIEW
 - SHOW ALL PRODUCT-VIEW
 - PRODUCT-VIEW SELECT
- Correct Answer solved by hadi
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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ must identify a record in the table, uniquely.

Answer (Please select your correct option)

- Hash Algorithm
- Key
- SQL Statement
- Index

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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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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.

ok Consider, for example, the case of simple linear search on a file with 1,000 records.
With the sequential organization, an average of 500 ke

Answer (Please select your correct option)

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

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Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of following is INCORRECT about "Materialized Views"?

Answer (Please select your correct option)

- These are suitable in "Data Warehouses".
- These are schema objects which can be used to summarize the data.
- They can not be partitioned.
- Their existence is transparent to SQL applications and users.

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Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following is not the property of Transaction?

Answer (Please select your correct option)

- Atomicity
- Consistency
- Redundancy **ok atomicity, consistency, isolation, and durability**
- Durability

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Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

Dead Lock can be prevented by giving each transaction a _____.

Answer (Please select your correct option)

- Priority
- Name
- Clustered Index
- Cartesian Join

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Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ is used to detect the dead lock.

Answer (Please select your correct option)

- Wait-for graph
- Cross Reference Matrix
- Inner Join
- Clustered Index

ok 50% bcz wo jo lock ka graph bna ha shaid wo ha

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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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Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

After execution of "commit" statement, _____ is updated first.

Answer (Please select your correct option)

- Database Buffer
- Clustered-Index
- Non-Clustered Index
- Application Program

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- Page title: CS403 Database Management Systems
- Question No : 34 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: 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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- Page title: CS403 Database Management Systems
- Question No : 35 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Attributes that jointly make a composite attribute are called _____ of that attribute.
- Answer options:
 - Entity
 - Instance
 - Domain
 - Components
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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

ok c and D ma say koi 1 ha

Determination of the cardinalities is done by interviewing the users of the system and by the analysis of the organization.

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

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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- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 38 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: Which of the following is true about foreign key?
- Answer options:
 - 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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- Page title: CS403 Database Management Systems
- Student ID: BC110401325 (RIZWAN ALI)
- Question No: 39 of 52
- Marks: 1 (Budgeted Time 1 Min)
- Question: In which type of relationship, PK of the same Entity type can be used as FK?
- Handwritten answer: 39. agar pk jo ha uski FK 1 ki jga kafi bar use ho skti to one to many or agar single he to one to one ab khud andaza lgao or mgy v btao
- Answer options:
 - One-to-many
 - One-to-one
 - Many-to-many
 - Recursive
- Start Time: 9:33 PM
- Timer: 119:00

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Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

Which of the following operation allows certain selections and Cartesian product into one operation?

Answer (Please select your correct option)

- Join
- Select
- Project
- Union

Correct Answer solved by hadi
email : usmanraj20@gmail.com
Call : 03378045306

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

Discuss the situation in which we use GROUP BY clause ?

Answer (Please click here to Add Answer)

The GROUP BY clause can be used in a SELECT statement to collect data across multiple records and group the results by one or more columns. It is added to SQL because aggregate functions (like SUM) return the aggregate of all column values every time they are called, and without the GROUP BY function it is impossible to find the sum for each individual group of column values.

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

What are the two ways to create a new view in the database?

Create database view;
Create database bc120402425

Answer (Please click here to Add Answer)

create databse view;
i think so

There are two ways to create a new view in your database.
You can:
• Create a new view from scratch.
• Or, make a copy of an existing view and then modify it.

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

Discuss any two situations of Concurrent Access of data?

ya ha 100%

Answer (Please click here to Add Answer)

ya wala ni ha page 314 pay 3 point
i think
Lost Update Problem • Uncommitted Update Problem • Inconsistent Analysis Problem

There are different situations during concurrent access of the data: • Different transactions accessing (reading or Database Management System (CS403) VU © Copyright Virtual University of Pakistan
315
• Different transactions accessing same object and one or all writing it

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- Page title: CS403 Database Management Systems
- Question No: 44 of 52
- Marks: 2 (Budgeted Time 4 Min)
- Question: Why we use Cross Reference Matrix?
- Answer: How do you explain Cross Reference Matrix? (Marks 2)
- Answer text: Answer:- (Page 65) This is a tool available in the data dictionary and helps us in finding entities of the database and their associations.
- Answer input field: A rich text editor with a toolbar and the text "page 65 pay be ha".
- Start Time: 9:33 PM
- Timer: 119:00
- Page number: 44

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

- Page title: CS403 Database Management Systems
- Question No: 45 of 52
- Marks: 3 (Budgeted Time 6 Min)
- Question: SELECT * FROM Persons WHERE FirstName LIKE '%a'; What does the above statement return?
- Answer: A rich text editor with the text "apna cncpt use hna ha".
- Start Time: 9:33 PM
- Timer: 119:00
- Page number: 45

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

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 (Please click here to Add Answer)

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CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

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 (Please click here to Add Answer)

3rd wali glt lag rhi ha bcz is mai hum attribute ko theak thara say nhi likh rhy han baqi
2no ma thk ha

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Examination VU Examination System (... x)

CS403 Database Management Systems BC110401325 (RIZWAN ALI)

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

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 (Please click here to Add Answer)

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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)

Give one example of Deadlock. (Marks 3)
Answer:- Click here for detail
A simple computer-based example is as follows. Suppose a computer has three CD drives and three processes. Each of the three processes holds one of the drives. If each process now requests another drive, the three processes will be in a deadlock. Each process will be waiting for the "CD drive released" event, which can be only caused by one of the other waiting processes. Thus, it results in a circular chain.

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paper.aspx

For Solved Visit **VU Answer**

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SELECT * FROM customer WHERE Year>'2004';". 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 : 50 of 52" with "Marks: 5 (Budgeted Time 10 Min)". The question text is: "Create a view named STUDENT-LIST on CUSTOMER table to show only CST-ID in ascending order of those customers, who belongs to GUJRANWALA city
CUSTOMER (CST-ID, CST-NAME, CITY)". 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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Examination VU Examination System (...

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)

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Examination VU Examination System (...

CS403 Database Management Systems **BC110401325 (RIZWAN ALI)**

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

Consider a scenario, 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.
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)

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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)

a-->d
Strong Entity Type An entity type whose instances can exist independently

2-->A
The primary key can also be defined as the successful candidate key.

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CS403 Database Management Systems **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

Answer (Please click here to Add Answer)

secondary key----B
such attributes on which we need to access the instances of an entity type that may not necessarily return unique instance is called the secondary key.

weak---->C
An entity type whose instances cannot exist without being linked with instances of some other entity type,

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For Solved Visit **VU Answer**