

Mid Term Examination - CS210 - DBMS

Date : 09/03/2021
Duration : 1 Hour

Time : 2.00 PM to 3.00 PM.
Marks : 40 Marks

Guidelines :

- Use ONLY Paper and pen for writing all the Answers. A Scanned copy of the Final handwritten answer sheets as ZIP file need to be uploaded to individual Student Git Hub account address .
- Each answer written page should have Roll number and Name.
- Group submissions are not allowed.
- Any GitHub Submission after 3.05 PM will not be considered for an evaluation.
- Share the Git hub account details in the attached google EXCEL sheet. Will be shared in a separate Email.
- All the Questions need to be answered in the same Order.
- Wrong answers will carry 25% Negative Marks of that Question.

Note: Students are refrained from using any practice which are not advised as per the Examination Policy eg: Coping from Friends answer sheets, Cut and Paste, Coping from any other sources .

QUESTIONS :

1. Given a table **ZooEmpTable** having columns **ZPerName** and **ZPerId**, Write the final result of the SQL query mentioned below?
Assume your own values for the Table **- 4 MARKS**

Select ZPerName from ZooEmpTable order by 3 asc;

2. Consider an **employees Table**. Assume other attributes for the Table on your own. Write a suitable SQL Query for the following Statement.

To Fetch all the employee names who exhibit same insurance policy. **- 4 MARKS.**

3. Write a SQL query to find the mth highest sales_volume . Assume other attributes for the Table on your own(number of attributes in the table to be limited to 3) **- 4 MARKS**
4. If we use SQL syntax DROP TABLE, DBMS drops objects like constraints, indexes, columns, default, views and sorted procedures.

Statement is TRUE or FALSE. Justify your answer in your own words
– 4 MARKS

5. Write a SQL syntax to fetch alternate records from a Table **Std_Info_Details** having **Std_ID**, **Std_Department**, **Std_Course_credit** and **Std_Course_name** as columns? Explain the instructions in your words - 4 Marks
6. Consider an **UniversityTable** having **College_Id** and **College_name**. Write a SQL Query to generate an empty table from an **UniversityTable**? Explain the syntax in two sentences – 2 marks
7. Consider an **EmployeeTable** having **Emp_Project_Id** as a Primary Key. Write SQL query to remove duplicate records without Emp_id . Write the Answer in your own words. - 3 MARKS
8. Consider the following two Schemas 1. **Complete(Scholar,Tutorial)** which contains the tutorials that each research scholar has completed, and 2. **Required(Tutorial)**, which contains the remaining tutorials that are required for the full graduation. - 15 Marks

1.CREATE TEMP TABLE **AllScholars** as
SELECT **Scholar**
FROM **Complete**;

2.CREATE TABLE **ScholarAndRequired** AS
SELECT DISTINCT **AllScholars.scholar**, **Required.tutorial** FROM
AllScholars, **Required** ;

3.CREATE TEMP TABLE **ScholarsAndRequiredNotComplete** AS
SELECT * FROM **ScholarsAndRequired**
WHERE NOT EXISTS (SELECT *
FROM **Complete**
WHERE **ScholarsAndRequired.Scholar** = **Complete.scholar** AND
ScholarsAndRequired.Tutorial = **Complete.Tutorial**);

4.CREATE TEMP TABLE **CannotGraduate** AS
SELECT **Scholar** FROM **ScholarsAndRequiredNotComplete**;

5. CREATE TEMP TABLE **CanGraduate** AS
SELECT * FROM **AllScholars**
WHERE NOT EXISTS (SELECT *

```
FROM CannotGraduate
WHERE CannotGraduate.Scholars =
AllScholars.Scholars);
```

Questions to be answered :

- 1. Consider suitable values for Two Tables *Complete(Scholar,Tutorial)* and *Required(Tutorial)* attributes. Show the Result Table for all the five SQL queries stated above.**
- 2. Re-write all the above queries as *one Single Query* using any other method. Hint : Use Except , IN etc...**