DBMS Mid Sem

Name: M.Anupama
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1.) Given Query :

Select ZPerName from Zoo EmpTable order by 3 asc;

Sol:

ZPerName	ZPerId
Anu	1
Madhu	2
Sai	3

"Order by 3" in the Query represents that the Selected Columns should be returned in the order of the 3rd Specified column in the Selected list.

→ But Since, here only one column, i.e., "ZPerName" is selected, it will throw an error like,
" the position number is out of range of the No. of items in the Select list".

2.) Let us Consider the following as "Employees Table".

Employee_ID	Employee_Name	Insurance_policy no
1.	Anu	I01
2.	Madhu	I02
3.	John	I02
4.	Jack	I01
5.	Preethi	I03
6.	Nivedha	I02
7.	Thomas	I04

Name = M.Anupam
Rollno = 19bcs123

Query:

Select distinct E1. employee - Name from Employees E1, Employees E2 where E1. Insurance-policy NO = E2. Insurance-policyNo.

3.) Let us Consider the No. of attributes be three and they are Sales-ID, Seller-ID, Sales-Volume for the table " Sales"

Sales

Sales-ID	Seller-ID	Sales-Volume
S-1	Se-01	38000
S-2	Se-02	40000
S-3	Se-03	50000
S-4	Se-04	30000

→ **Query to fetch m^{th} highest Sales-Volume:**

Select Top1 Sales-Volume

From (Select distinct Top m Sales_Volume

From Sales Order by Sales-volume DESC) As temp Order by Sales-Volume.

Output:

It gives m^{th} highest Sales_Volume.

4.) False, Because if we use DROP TABLE, DBMS Command to drop the table DBMS, it completely removes the whole structure & the objects like indices, statistics, permissions, triggers & Constraints associated to it. However deleting a table referencing and acts like a parent table may give error while deleting.

But the SQL views & Stored procedures referencing to the table, we need to drop these views & procedures explicitly.

5.)

Std-Info-Details

Std-ID	Std-Department	Std-Course-Credit	Std-Course-Name
01	CSE	4	DBMS
02	ECE	5	Quantum physics
03	AI	3	Physics
04	ML	2	physics
05	EEE	4	Electricals
06	CIVIL	4	Physics

Query:

Select * from (select row_num as R-NO, S.* from Std-Info-details S) where Mod (R-NO, 2) = 1;

→ Here in the above Query, all the Columns from Std-Info-details are selected whose row number on dividing with 2 gives remainder as 1, I.e., alternative rows (odd rows).

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6)

University Table

College-Id	College-name
C-1	SVCN, Nellore, AP
C-2	SVEC, Tirupati, Kurnool
C-3	Narayana Engineering College, AP.

Query:

Create Table Empty-Table as
Select College-Id, College-name
from University-Table
Truncate table Empty-Table.

→ From the above Query, we can say that, a table named "Empty-Table" is created from the existing table "University-Table" with the attributes/columns 'College-ID; College-name' and the values are also Stored in "Empty-table"

To make the table Empty, Truncate table Command is used. Instead we can also drop table, but it Completely erase the table from the database.

7)

Employee

Emp_id	Emp-project-Id
e-01	P-01
e-01	P-02
e-02	P-03
e-03	P-04
e-02	P-05

Query:

```
DELETE SUB FROM (SELECT ROW_NUMBER()
OVER (PARTITION BY EmpId, EmpName, EmpSSN
ORDER BY EmpId) cnt From Employee) SUB
WHERE SUB.cnt > 1
```

8)   Complete

Scholar	Tutorial	Required
		↑ Tutorial
Jim	Algebra	Calculus
Jack	SE	DAA
John	OS	AI
Rossy	DBMS	ML
Ram	CN	Oops

1)   All Scholars

Scholar
Jim

Jack

John

Rossy

Ram

2) Scholar and Required

Scholar	Required
Jim	~~Algeb~~ calculy
Jack	DAA
John	AI
Rossy	ML
Ram	Oops

3) Scholar And Required Not Complete

Jim   Calculus

Jack   DAA

               AI

John

Rossy   ML

Ram   OOPS