09/03/21

CS210 - DBMS

Mid-Semester Exam

Name: Aparna Kholia
Roll No: 19BCS116

1. ZooEmp Table

ZPer Id	ZPer name
101	Akshat
102	Vivek
103	Rani
104	Rakshit
105	Bob
106	Astha

The given query output : —

"Error" `The order by position no. 3 is out of range`

Reason: as there is no 3rd column in the table.

2.

employees Table

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Emp-Id	Emp-Name	Emp-policy
101	Akshat	policy-1
102	Vivek	policy-2
103	Surthat	policy-3
104	Vinay	policy-3
105	Radha	policy-2
106	Shreya	policy-3
107	Rani	policy-1
108	Rakshit	policy-2
109	Bobby	policy-3
110	Astha	policy-1

Query:-
Select Emp-Name from employees where
Emp-policy = "policy-3";

3.
8.

Sales table

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Sales_Id	Sales_Volume
101	10000
102	2000
103	3579
104	3000
105	4080
106	5010
107	9999
108	10010

Required SQL query.

select * from (select Sale_Id, Sales_Volume, dense_rank()
over(order by Sal desc)r from Sales)
where r = 1;

Output:-

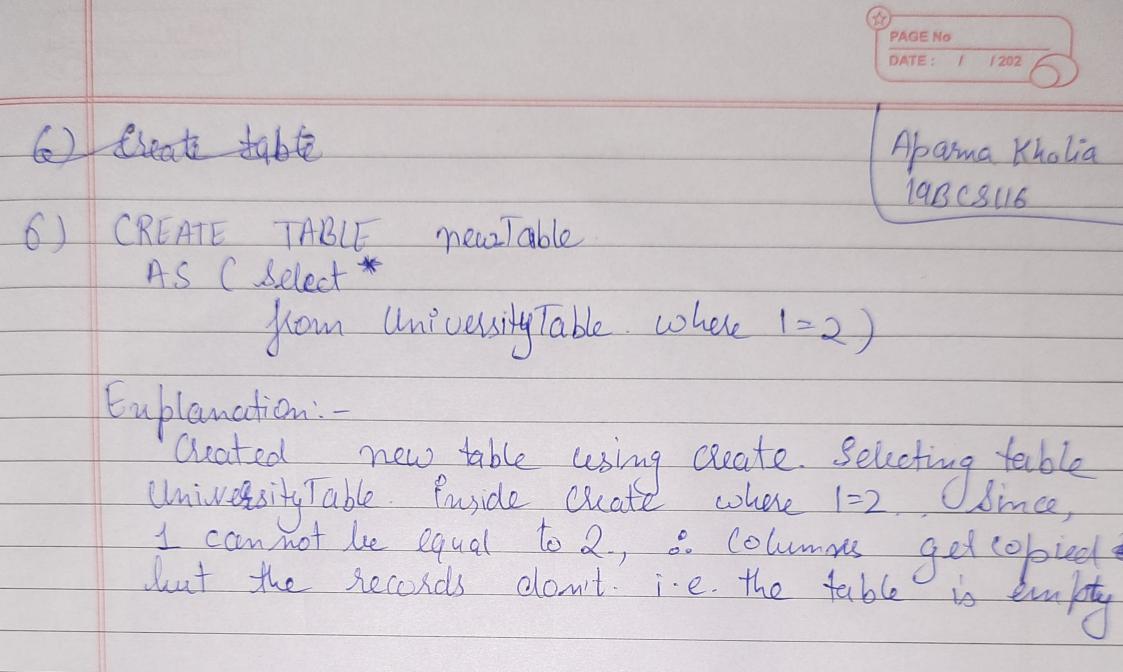| Sale_Id	Sales_Volume
108	10010

4) The statement is False.

Reason:-

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When we use the DROP-TABLE, it completely removes the table structure an associated indexes, statistics., permissions, triggers and constraints. We might have SQL views and stored procedures refrencing to the SQL table. ⊕ The SQL server does not remove these stored procedures and views

5. To fetch even numbered
    rows

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Select * from Std_Info_Details
where Std ID %2 = 0;

To fetch odd numbered rows

Select * from Std_Info_Details
where Std_ID % 2 = 1;

Explanation -

a) To get alternate records, we display
   odd numbered rows once, and
   even numbered rows once.
b) Using select * to select all columns
   and where conditi for the condition
   to display even/odd rows. Modules
   operator has been used in the
   condition.

(a) Create table

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6) CREATE TABLE newTable
   AS (Select *
        from UniversityTable. where 1=2)

Explanation :-

Created new table using create. Selecting table UniversityTable. Inside create where 1=2. Since, 1 cannot be equal to 2., ∴ columns get copied but the records don't. i.e. the table is empty

8) 1)   Complete

Scholars	Tutorials	Required Tutorials
Rani	Software	ML
Bina	ML	AI
Esther	AI.	Software
Rakesh	Computation	Maths
Bob	Maths	computation
Utkarsh	ML	

Query 1 :-

All Scholars Table

scholars
Rani
Bina
Esther
Rakesh
Bob
utkarsh

Query 2 :-

Scholar and Required Table

Scholar	Tutorial
Rani	Software.
Bina	ML
Esther	AI.
Rakesh	computation
Bob	maths

Query 3

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ScholarandRequired not complete

Scholar	Tutorial
Bina	Software
Utkarsh	AI
Rani	Maths

Query 4 :-

Cannot graduate

Scholars
Bina
Utkarsh
Rani

Query 5 :-

Can graduate

Scholars
Esther
Rakesh
Bob