CSE2007 - DBMS

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LAB 1

EMPLOYEE Table:

EMP_ID	EMP_NAME	DESIGNATION	MANAGER_ID	DOJ	DEPT_ID	SALARY
1008	Kiran	Principal		1978-02-01	DEPT_1004	99000.00
1001	Akash	Salesman	1008	1991-07-15	DEPT_1003	35000.00
1002	Rishabh	Manager	1008	1992-05-23	DEPT_1001	65000.00
1004	Ridhi	Manager	1008	1987-11-22	DEPT_1001	85000.00
1003	Rihan	Analyst	1004	1991-07-15	DEPT_1001	55000.00
1007	Seema	Manager	1008	1991-07-15	DEPT_1001	65000.00
1005	Sajal	Salesman	1007	1991-07-15	DEPT_1003	35000.00
1006	Biki	Salesman	1002	1999-11-26	DEPT_1003	25000.00

DEPARTMENT Table:

DEPT_NUM	DEPT_NAME	DEPT_LOCATION
DEPT_1001	Human Resource	Delhi
DEPT_1002	Production	Kolkata
DEPT_1003	Marketing	Kerala
DEPT_1004	Audit	Noida

1. Display all employee details

```
mysql> select * from EMPLOYEE;
+--------+----------+-------------+------------+------------+-----------+--------+
| EMP_ID | EMP_NAME | DESIGNATION | MANAGER_ID | DOJ        | DEPT_ID   | SALARY |
+--------+----------+-------------+------------+------------+-----------+--------+
|   1001 | Akash    | Salesman    |       1008 | 1991-07-15 | DEPT_1003 |  35000 |
|   1002 | Rishabh  | Manager     |       1008 | 1992-05-23 | DEPT_1001 |  65000 |
|   1003 | Rihan    | Analyst     |       1004 | 1991-07-15 | DEPT_1001 |  55000 |
|   1004 | Ridhi    | Manager     |       1008 | 1987-11-22 | DEPT_1001 |  85000 |
|   1005 | Sajal    | Salesman    |       1007 | 1991-07-15 | DEPT_1003 |  35000 |
|   1006 | Bikki    | Salesman    |       1002 | 1999-11-26 | DEPT_1003 |  25000 |
|   1007 | Seema    | Manager     |       1008 | 1991-07-15 | DEPT_1001 |  65000 |
|   1008 | Kiran    | Principal   |          1 | 2019-06-01 | DEPT_1004 |  99000 |
+--------+----------+-------------+------------+------------+-----------+--------+
8 rows in set (0.00 sec)
```

2. Display EMP_NAME with EMP_ID, DEPT_ID andSALARY

```
mysql> select EMP_NAME, EMP_ID, DEPT_ID, SALARY from EMPLOYEE;
+----------+--------+-----------+--------+
| EMP_NAME | EMP_ID | DEPT_ID   | SALARY |
+----------+--------+-----------+--------+
| Akash    |   1001 | DEPT_1003 |  35000 |
| Rishabh  |   1002 | DEPT_1001 |  65000 |
| Rihan    |   1003 | DEPT_1001 |  55000 |
| Ridhi    |   1004 | DEPT_1001 |  85000 |
| Sajal    |   1005 | DEPT_1003 |  35000 |
| Bikki    |   1006 | DEPT_1003 |  25000 |
| Seema    |   1007 | DEPT_1001 |  65000 |
| Kiran    |   1008 | DEPT_1004 |  99000 |
+----------+--------+-----------+--------+
8 rows in set (0.00 sec)
```

3. Display EMP_NAME and SALARY where salary>50000

```
mysql> select EMP_NAME, SALARY from EMPLOYEE where SALARY>50000;
+----------+--------+
| EMP_NAME | SALARY |
+----------+--------+
| Rishabh  |  65000 |
| Rihan    |  55000 |
| Ridhi    |  85000 |
| Seema    |  65000 |
| Kiran    |  99000 |
+----------+--------+
5 rows in set (0.00 sec)
```

4. DisplayEMP_ID,EMP_NAMEandDEPT_ID of all employees whose Designation is 'Manager'

```
mysql> select EMP_ID, EMP_NAME, DEPT_ID from EMPLOYEE where DESIGNATION="MANAGER";
+--------+----------+-----------+
| EMP_ID | EMP_NAME | DEPT_ID   |
+--------+----------+-----------+
|   1002 | Rishabh  | DEPT_1001 |
|   1004 | Ridhi    | DEPT_1001 |
|   1007 | Seema    | DEPT_1001 |
+--------+----------+-----------+
3 rows in set (0.00 sec)
```

5. Display DEPT_NUM and DEPT_LOCATION of DEPARTMENTTable.

```
mysql> select DEPT_NUM, DEPT_LOCATION from DEPARTMENT;
+-----------+---------------+
| DEPT_NUM  | DEPT_LOCATION |
+-----------+---------------+
| DEPT_1001 | Delhi         |
| DEPT_1002 | Kolkata       |
| DEPT_1003 | Kerala        |
| DEPT_1004 | Noida         |
+-----------+---------------+
4 rows in set (0.00 sec)
```

6. Rename table Department as DEPT

```
mysql> rename table DEPARTMENT to DEPT;
Query OK, 0 rows affected (0.47 sec)
```

7. Create a new table COPYOFDEPT as the COPY of the table DEPT.

```
mysql> create table COPYOFDEPT select * from DEPT;
Query OK, 4 rows affected (0.93 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from COPYOFDEPT;
+-----------+----------------+---------------+
| DEPT_NUM  | DEPT_NAME      | DEPT_LOCATION |
+-----------+----------------+---------------+
| DEPT_1001 | Human Resource | Delhi         |
| DEPT_1002 | Production     | Kolkata       |
| DEPT_1003 | Marketing      | Kerala        |
| DEPT_1004 | Audit          | Noida         |
+-----------+----------------+---------------+
4 rows in set (0.00 sec)
```

8. Display only distinct designations of EMPLOYEE Table

```
mysql> select distinct DESIGNATION from EMPLOYEE;
+-------------+
| DESIGNATION |
+-------------+
| Salesman    |
| Manager     |
| Analyst     |
| Principal   |
+-------------+
4 rows in set (0.00 sec)
```

9. Delete all rows from COPYOFDEPT

```
mysql> truncate table COPYOFDEPT;
Query OK, 0 rows affected (1.61 sec)

mysql> select * from COPYOFDEPT;
Empty set (0.00 sec)
```

10. Delete COPYOFDEPT table.

```
mysql> drop table COPYOFDEPT;
Query OK, 0 rows affected (0.88 sec)

mysql> select * from COPYOFDEPT;
ERROR 1146 (42S02): Table 'dbms.COPYOFDEPT' doesn't exist
mysql>
```