

LAB 2

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	Phn_Num
DEPT_1001	Human Resource	Delhi	1111
DEPT_1002	Production	Kolkata	2222
DEPT_1003	Marketing	Kerala	3333
DEPT_1004	Audit	Noida	4444
DEPT_1005	Finance	Andhra Pradesh	5555

1. Display salary of the employees without duplications.

```
mysql> select distinct SALARY from EMPLOYEE;
+-----+
| SALARY |
+-----+
| 35000  |
| 65000  |
| 55000  |
| 85000  |
| 25000  |
| 99000  |
+-----+
6 rows in set (0.00 sec)
```

2. Display the employee details whose DOJ is '1991-07-15'

```
mysql> select * from EMPLOYEE where DOJ=STR_TO_DATE('07-15-1991', '%m-%d-%Y');
+-----+-----+-----+-----+-----+-----+-----+
| EMP_ID | EMP_NAME | DESIGNATION | MANAGER_ID | DOJ       | DEPT_ID | SALARY |
+-----+-----+-----+-----+-----+-----+-----+
| 1001   | Akash    | Salesman    | 1008        | 1991-07-15 | DEPT_1003 | 35000 |
| 1003   | Rihan    | Analyst      | 1004        | 1991-07-15 | DEPT_1001 | 55000 |
| 1005   | Sajal    | Salesman     | 1007        | 1991-07-15 | DEPT_1003 | 35000 |
| 1007   | Seema    | Manager      | 1008        | 1991-07-15 | DEPT_1001 | 65000 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

3. Modify the DEPT_ID of an employee having name as 'Seema' to DEPT_1005

```
mysql> update EMPLOYEE set DEPT_ID='DEPT_1005' where EMP_NAME='Seema';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0

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_1005 | 65000 |
| 1008 | Kiran    | Principal   | 1           | 1978-02-01   | DEPT_1004 | 99000 |
+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

4. Delete the row with EMP_ID = 1007 and EMP_NAME = 'Seema'

```
mysql> delete from EMPLOYEE where EMP_ID=1007 and EMP_NAME='Seema';
Query OK, 1 row affected (0.19 sec)

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 |
| 1008 | Kiran    | Principal   | 1           | 1978-02-01   | DEPT_1004 | 99000 |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

5. Update the DEPT_LOCATION as West Bengal whose DEPT_NUM = 'DEPT_1005'

```
mysql> update DEPARTMENT set DEPT_LOCATION="West Bengal" where DEPT_NUM="DEPT_1005";
Query OK, 1 row affected (0.11 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from DEPARTMENT;
+-----+-----+-----+-----+
| DEPT_NUM | DEPT_NAME      | DEPT_LOCATION | Phn_Num |
+-----+-----+-----+-----+
| DEPT_1001 | Human Resource | Delhi         | 1111 |
| DEPT_1002 | Production     | Kolkata       | 2222 |
| DEPT_1003 | Marketing      | Kerala        | 3333 |
| DEPT_1004 | Audit          | Noida         | 4444 |
| DEPT_1005 | Finance        | West Bengal   | 5555 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

6. Find the employee names whose salary lies in the range between 35000 and 99000.

```
mysql> select EMP_NAME from EMPLOYEE where SALARY between 35000 and 99000;
+-----+
| EMP_NAME |
+-----+
| Akash    |
| Rishabh  |
| Rihan    |
| Ridhi    |
| Sajal    |
| Kiran    |
+-----+
6 rows in set (0.00 sec)
```

7. Alter Table DEPARTMENT to add a column named Phn_Num of INT data type and insert values into this column only.

```
mysql> alter table DEPARTMENT add column Phn_Num bigint default null;█
```

```
mysql> update DEPARTMENT set Phn_Num=1111 where DEPT_NUM='DEPT1001';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

```
mysql> update DEPARTMENT set Phn_Num=2222 where DEPT_NUM='DEPT1002';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

```
mysql> update DEPARTMENT set Phn_Num=3333 where DEPT_NUM='DEPT1003';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

```
mysql> update DEPARTMENT set Phn_Num=4444 where DEPT_NUM='DEPT1004';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

```
mysql> update DEPARTMENT set Phn_Num=5555 where DEPT_NUM='DEPT1005';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

8. Display details of all employees who are either Salesman or Analyst using IN Operator.

```
mysql> select * from EMPLOYEE where DESIGNATION in ('Salesman', 'Analyst');
+-----+-----+-----+-----+-----+-----+-----+
| EMP_ID | EMP_NAME | DESIGNATION | MANAGER_ID | DOJ        | DEPT_ID | SALARY |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | Akash    | Salesman    | 1008       | 1991-07-15 | DEPT_1003 | 35000 |
| 1003 | Rihan    | Analyst     | 1004       | 1991-07-15 | DEPT_1001 | 55000 |
| 1005 | Sajal    | Salesman    | 1007       | 1991-07-15 | DEPT_1003 | 35000 |
| 1006 | Bikki    | Salesman    | 1002       | 1999-11-26 | DEPT_1003 | 25000 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

9. Display the department name that starts with 'P'.

```
mysql> select DEPT_NAME from DEPARTMENT where DEPT_NAME like 'P%';
+-----+
| DEPT_NAME |
+-----+
| Production |
+-----+
1 row in set (0.00 sec)
```

10. Display the department names' that have 'ke' in any position.

```
mysql> select DEPT_NAME from DEPARTMENT where DEPT_NAME like '%ke%';
+-----+
| DEPT_NAME |
+-----+
| Marketing |
+-----+
1 row in set (0.00 sec)
```