

Assignment No. : 02

Group : A

INPUT & OUTPUT :

```
mysql> CREATE DATABASE Property_Dealers;  
Query OK, 1 row affected (0.10 sec)
```

```
mysql> use Property_Dealers  
Database changed
```

```
mysql> create table Branch ( Branch_No int ,primary key(Branch_No),Street  
varchar(30),City varchar(30),Postcode int);  
Query OK, 0 rows affected (0.47 sec)
```

```
mysql> create table Staff ( Staff_No int, primary key(Staff_No),fName varchar(30),lName  
varchar(30),Position int, Sex varchar(30),DOB int, Salary int,  
Branch_No int,FOREIGN KEY (Branch_No) REFERENCES Branch(Branch_No));  
Query OK, 0 rows affected (0.43 sec)
```

```
mysql> create table Property_For_Rent(Property_No int ,primary key(Property_No),Street  
varchar(30),City varchar(30),Postcode int,Type varchar(30),Rooms int ,rent int, Owner_No  
int ,Staff_No int, Branch_No int,foreign key(Branch_No) references  
Branch(Branch_No),foreign key (Staff_No) references Staff(Staff_No));  
Query OK, 0 rows affected (0.49 sec)
```

```
mysql> create table Client(CUID int ,primary key (CUID),fName varchar(30),lName  
varchar(30),Rent int);  
Query OK, 0 rows affected (0.35 sec)
```

```
mysql> create table Private_Owner(OUID int ,primary key (OUID),fName  
varchar(30),lName varchar(30),Address varchar(30)); Query OK, 0 rows affected (0.35  
sec)
```

```
mysql> show databases
```

```
mysql> show tables
```

```
-> ;
```

```
+-----+  
| Tables_in_Property_Dealers |  
+-----+  
| Branch          |  
| Client          |  
| Private_Owner   |  
| Property_For_Rent |  
| Staff           |  
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select * From Branch;  
Empty set (0.01 sec)
```

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

```
mysql> insert into Branch(100,'Sinhgad Road','Pune",411041);  
mysql> insert into Branch values(100,'Sinhgad Road','Pune",411041);  
> ;  
> ;  
mysql> insert into Branch values(100,'Sinhgad Road','Pune',411041);  
Query OK, 1 row affected (0.08 sec)
```

```
mysql> select * from Branch;  
+-----+-----+-----+-----+  
| Branch_No | Street    | City | Postcode |  
+-----+-----+-----+-----+  
|    100 | Sinhgad Road | Pune | 411041 |  
+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

```
mysql> insert into Branch values(200,'Pipeline Road','Nagar',413701);  
Query OK, 1 row affected (0.06 sec)
```

```
mysql> select * from Branch;  
+-----+-----+-----+-----+  
| Branch_No | Street    | City | Postcode |  
+-----+-----+-----+-----+  
|    100 | Sinhgad Road | Pune | 411041 |  
|    200 | Pipeline Road | Nagar | 413701 |  
+-----+-----+-----+-----+  
2 rows in set (0.00 sec)
```

```
mysql> insert into Branch values(300,'MIDC Road','Baramati',413102);  
Query OK, 1 row affected (0.06 sec)
```

```
mysql> insert into Branch values(400,'Gandichauk Road','Jalgaon',425502);  
Query OK, 1 row affected (0.09 sec)
```

```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street      | City   | Postcode |
+-----+-----+-----+-----+
|    100 | Sinhgad Road | Pune   |          |
411041 ||    200 | Pipeline Road |
Nagar   | 413701 |
|    300 | MIDC Road    | Baramati | 413102 |
|    400 | Gandichauk Road | Jalgaon | 425502 |
+-----+-----+-----+-----+
```

```
4 rows in set (0.01 sec)
```

```
mysql> select * from Staff;
```

```
Empty set (0.00 sec)
```

```
mysql> insert into Branch values(500,'MG Road','Pune',411140);
```

```
Query OK, 1 row affected (0.07 sec)
```

```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street      | City   | Postcode |
+-----+-----+-----+-----+
|    100 | Sinhgad Road | Pune   |          |
411041 ||    200 | Pipeline Road |
Nagar   | 413701 |
|    300 | MIDC Road    | Baramati | 413102 |
|    400 | Gandichauk Road | Jalgaon | 425502 |
|    500 | MG Road      | Pune   | 411140 |
+-----+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> alter table Staff drop Position;
```

```
Query OK, 0 rows affected (0.30 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> alter table Staff add Position varchar(30) after lName;
```

```
Query OK, 0 rows affected (0.30 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> insert into Staff values(1,'Pratik ','Abhang','EmploY','Male',01/05/2003,55000,100);
```

```
Query OK, 1 row affected (0.10 sec)
```

```
mysql> select * from Staff;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName | lName | Position | Sex | DOB | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Pratik | Abhang | EmploY | Male | 0 | 55000 | 100 |
+-----+-----+-----+-----+-----+-----+-----+
---+ 1 row in set (0.00 sec)
```

```
mysql> insert into Staff values(2,'Poorvesh','Chaudhary','EmploY','Male',15,54000,200);
Query OK, 1 row affected (0.08 sec)
```

```
mysql> select * from Staff;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName | lName | Position | Sex | DOB | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Pratik | Abhang | EmploY | Male | 0 | 55000 | 100 |
| 2 | Poorvesh | Chaudhary | EmploY | Male | 15 | 54000 | 200 |
+-----+-----+-----+-----+-----+-----+-----+
---+ 2 rows in set (0.00 sec)
```

```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street | City | Postcode |
+-----+-----+-----+-----+
| 100 | Sinhgad Road | Pune | 411041 |
| 200 | Pipeline Road | Nagar | 413701 |
| 300 | MIDC Road | Baramati | 413102 |
| 400 | Gandichauk Road | Jalgaon | 425502 |
| 500 | MG Road | Pune | 411140 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> insert into Staff values(3,'Sai','Dube','EmploY','Male',25,56000,300);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> insert into Staff values(4,'Lokesh','Doshi','EmploY','Male',25,53000,400);
Query OK, 1 row affected (0.06 sec)
```

```
mysql> insert into Staff
values(5,'Tejas','Kothawade','EmploY','Male',13,58000,500); Query OK, 1 row
affected (0.06 sec)
```

```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street      | City   | Postcode |
+-----+-----+-----+-----+
|    100 | Sinhgad Road | Pune   |          |
411041 ||    200 | Pipeline Road |
Nagar   | 413701 |
|    300 | MIDC Road    | Baramati | 413102 |
|    400 | Gandichauk Road | Jalgaon | 425502 |
|    500 | MG Road      | Pune    | 411140 |
+-----+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> select * from Staff;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName  | lName  | Position | Sex | DOB  | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+
|    1 | Pratik | Abhang | EmploY   | Male | 0    | 55000 | 100 |
|    2 | Poorvesh | Chaudhary | EmploY   | Male | 15   | 54000 | 200 |
|    3 | Sai    | Dube   | EmploY   | Male | 25   | 56000 | 300 |
|    4 | Lokesh | Doshi  | EmploY   | Male | 25   | 53000 | 400 |
|    5 | Tejas  | Kothawade | EmploY   | Male | 13   | 58000 | 500 |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
---+ 5 rows in set (0.00 sec)
```

```
mysql> select * from Property_For_Rent;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| Property_No | Street      | City   | Postcode | Type  | Rooms | rent  | Owner_No | Staff_No |
| Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
|    1 | MG Road      | pune   | 410410 | House | 4 | 17000 | 7387295014 | 1 |
100 |
|    2 | JM Road      | pune   | 411210 | Flat  | 3 | 13000 | 7387125014 | 2 |
200 |
|    3 | SP Road      | baramati | 413702 | Office | 4 | 20000 | 9235698564 | 3 |
300 |
|    4 | Sinhgad Road | narhe   | 413741 | flat  | 5 | 10000 | 8652631454 | 4 |
400 |
|    5 | pipeline Road | nagar   | 445741 | House | 4 | 19000 | 8452156328 | 5 |
500 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
```

5 rows in set (0.00 sec)

mysql> select * from Client ;

CUID	fName	lName	Rent
10	Ram	Dol	10000
20	Shiv	Dube	12000
30	Prachi	Kale	17000
40	Arnav	Rane	10000
50	Sai	Pawar	20000

5 rows in set (0.00 sec)

mysql> select * from Private_Owner ;

OUID	fName	lName	Address
11	Pappu	Desai	Narhe
22	Gotya	More	Nagar
33	Mahesh	Landge	Bhosari
44	Manya	Surve	Kharadi
55	Rahul	Patil	Mulshi

5 rows in set (0.00 sec)

mysql> update Staff set lName ='Shinde' where Staff_No =3;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from Staff;

Staff_No	fName	lName	Position	Sex	DOB	Salary	Branch_No
1	Pratik	Abhang	EmploY	Male	0	55000	100
2	Poorvesh	Chaudhary	EmploY	Male	15	54000	200
3	Sai	Shinde	EmploY	Male	25	56000	300
4	Lokesh	Doshi	EmploY	Male	25	53000	400
5	Tejas	Kothawade	EmploY	Male	13	58000	500

---+ 5 rows in set (0.00 sec)

mysql> delete from Branch where Postcode=425502;

Postcode=425502;

```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street      | City   | Postcode |
+-----+-----+-----+-----+
| 100 | Sinhgad Road | Pune   | 411041 |
| 200 | Pipeline Road | Nagar  | 413701 |
| 300 | MIDC Road    | Baramati | 413102 |
| 400 | Gandichauk Road | Jalgaon | 425502 |
| 500 | MG Road      | Pune   | 411140 |
+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> delete from Property_For_Rent where Branch_No = 400;
Query OK, 1 row affected (0.11 sec)
```

```
mysql> delete from Staff where Branch_No = 400;
Query OK, 1 row affected (0.11 sec)
```

```
mysql> delete from Branch where Postcode=425502;
Query OK, 1 row affected (0.12 sec)
```

```
mysql> select * from Staff where fName like '%a%a%';
Empty set (0.00 sec)
```

```
mysql> select * from Staff where lName like '%a%a%';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName   | lName   | Position | Sex | DOB  | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Pratik | Abhang | EmploY   | Male | 0 | 55000 | 100 |
| 2 | Poorvesh | Chaudhary | EmploY   | Male | 15 | 54000 | 200 |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

---+ 2 rows in set (0.00 sec)

```
mysql> select * from Client where Rent>10000;
```

```
+-----+-----+-----+-----+
| CUID | fName | lName | Rent |
+-----+-----+-----+-----+
| 20 | Shiv | Dube | 12000 |
| 30 | Prachi | Kale | 17000 |
| 50 | Sai | Pawar | 20000 |
+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> select * from Staff where Salary>avg(Salary);
ERROR 1111 (HY000): Invalid use of group function
```

```
mysql> select * from Staff where Salary>(select avg(Salary) from Staff); +-----+-----+--
-----+-----+-----+-----+-----+
| Staff_No | fName | lName | Position | Sex | DOB | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 3 | Sai | Shinde | EmploY | Male | 25 | 56000 | 300 |
| 5 | Tejas | Kothawade | EmploY | Male | 13 | 58000 | 500 |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.04 sec)
```

```
mysql> select fName,lName from Staff where Salary>(select avg(Salary) from Staff); +-----
+-----+
| fName | lName |
+-----+-----+
| Sai | Shinde |
| Tejas | Kothawade |
+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select * from Staff order by Salary;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName | lName | Position | Sex | DOB | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 2 | Poorvesh | Chaudhary | EmploY | Male | 15 | 54000 | 200 |
| 1 | Pratik | Abhang | EmploY | Male | 0 | 55000 | 100 |
| 3 | Sai | Shinde | EmploY | Male | 25 | 56000 | 300 |
| 5 | Tejas | Kothawade | EmploY | Male | 13 | 58000 | 500 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

```
mysql> select * from Staff order by Salary desc;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Staff_No | fName | lName | Position | Sex | DOB | Salary | Branch_No |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 5 | Tejas | Kothawade | EmploY | Male | 13 | 58000 | 500 |
| 3 | Sai | Shinde | EmploY | Male | 25 | 56000 | 300 |
| 1 | Pratik | Abhang | EmploY | Male | 0 | 55000 | 100 |
| 2 | Poorvesh | Chaudhary | EmploY | Male | 15 | 54000 | 200 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> update Branch set Street='DP Road' where Branch_No =300;
Query OK, 1 row affected (0.06 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```



```
mysql> select * from Branch;
```

```
+-----+-----+-----+-----+
| Branch_No | Street   | City   | Postcode |
+-----+-----+-----+-----+
|    100 | Sinhgad Road | Pune   |          |
411041 ||    200 | Pipeline Road |
Nagar   | 413701 |
|    300 | DP Road    | Baramati | 413102 |
|    500 | MG Road    | Pune    | 411140 |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> select * from Private_Owner where fName like '__c%';
```

Empty set (0.00 sec)

```
mysql> select * from Private_Owner where fName like '__h%';
```

```
+-----+-----+-----+-----+
| OUID | fName | IName | Address |
+-----+-----+-----+-----+
| 33 | Mahesh | Landge | Bhosari |
| 55 | Rahul  | Patil  | Mulshi  |
+-----+-----+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> delete from Private_Owner where fName='Rahul';
```

Query OK, 1 row affected (0.06 sec)

```
mysql> select * from Private_Owner;
```

```
+-----+-----+-----+-----+
| OUID | fName | IName | Address |
+-----+-----+-----+-----+
| 11 | Pappu | Desai | Narhe   |
| 22 | Gotya | More  | Nagar   |
| 33 | Mahesh | Landge | Bhosari |
| 44 | Manya | Surve | Kharadi |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> select Type from Property_For_Rent where City='pune';
```

```
+-----+
| Type |
+-----+
| House |
| Flat  |
+-----+
```

2 rows in set (0.00 sec)

```
mysql> select Type,Rooms from Property_For_Rent where City='pune';
```

```
+-----+-----+
| Type | Rooms |
+-----+-----+
```

```
| House |    4 |
```

```
| Flat  |    3 |
```

```
+-----+-----+
```

```
2 rows in set (0.00 sec)
```

```
mysql> select fName,lName from Staff where Position='Employ';
```

```
+-----+-----+
```

```
| fName      |
```

```
lName      | +----
```

```
+-----+-----+
```

```
+ | Pratik      |
```

```
Abhang      |
```

```
| Poorvesh | Chaudhary |
```

```
| Sai      | Shinde    |
```

```
| Tejas    | Kothawade  |
```

```
+-----+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> select Property_No from Property_For_Rent where Type='Flat';
```

```
+-----+
```

```
| Property_No |
```

```
+-----+
```

```
|          2 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select Property_No from Property_For_Rent where Type='Flat,flat';
```

```
Empty set (0.01 sec)
```

```
mysql> select Property_No from Property_For_Rent where Type='flat';
```

```
+-----+
```

```
| Property_No |
```

```
+-----+
```

```
|          2 |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```