

Assignment 4

1. Display the PNAME and COLOR from the P table for the CITY="London".

Ans. Select pname, color from p where city= 'London' ;

```
D4_PratikSatpute_62758>Select pname, color from p where city= 'London';
+-----+-----+
| pname | color |
+-----+-----+
| Nut   | Red   |
| Screw | Red   |
| Cog   | Red   |
+-----+-----+
3 rows in set (0.00 sec)
```

2. Display all the Suppliers from London

Ans: select * from s where city = 'London';

```
D4_PratikSatpute_62758>select * from s where city = 'London';
+---+-----+-----+-----+
| S# | Sname | status | city  |
+---+-----+-----+-----+
| S1 | Smith | 20     | London |
+---+-----+-----+-----+
1 row in set (0.00 sec)
```

3. Display all the Suppliers from Paris or Athens.

Ans: select * from s where city IN('Athens','Paris') ;

```
D4_PratikSatpute_62758>select * from s where city IN( 'Athens','Paris') ;
+---+-----+-----+-----+
| S# | Sname | status | city  |
+---+-----+-----+-----+
| S2 | jones | 10     | Paris |
| S3 | Blake | 30     | Paris |
| S5 | Adams | 30     | Athens |
+---+-----+-----+-----+
3 rows in set (0.00 sec)
```

4. Display all the Projects in Athens.

Ans: select * from j where city = 'Athens';

```
D4_PratikSatpute_62758>select * from j where city = 'Athens';
+----+-----+-----+
| J# | Jname  | City   |
+----+-----+-----+
| J3 | Reader | Athens |
| J4 | Console| Athens |
+----+-----+-----+
2 rows in set (0.00 sec)
```

5. Display all the Part names with the weight between 12 and 14 (inclusive of both).

Ans: Select pname from P where weight Between 12 AND 14;

```
D4_PratikSatpute_62758>Select  pname from P where weight Between 12 AND 14;
+-----+
| pname |
+-----+
| Nut    |
| Screw  |
| Cam    |
| Cog    |
+-----+
4 rows in set (0.00 sec)
```

6. Display all the Suppliers with a Status greater than or equal to 20.

Ans: Select * from S where status >=20;

```
D4_PratikSatpute_62758>Select * from S where status >=20;
+----+-----+-----+-----+
| S# | Sname | status | city   |
+----+-----+-----+-----+
| S1 | Smith | 20     | London |
| S3 | Blake | 30     | Paris  |
| S4 | Clark | 20     | NewYork|
| S5 | Adams | 30     | Athens |
+----+-----+-----+-----+
4 rows in set (0.00 sec)
```

7. Display all the Suppliers except the Suppliers from London.

Ans: Select * from S where city != 'london';

```
D4_PratikSatpute_62758>Select * from S where city != 'london';
+-----+-----+-----+-----+
| S# | Sname | status | city   |
+-----+-----+-----+-----+
| S2 | jones | 10     | Paris  |
| S3 | Blake | 30     | Paris  |
| S4 | Clark | 20     | NewYork|
| S5 | Adams | 30     | Athens |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

8. Display only the Cities from where the Suppliers come from.

Ans: select city from S;

```
D4_PratikSatpute_62758>select city from S;
+-----+
| city   |
+-----+
| London |
| Paris  |
| Paris  |
| NewYork|
| Athens |
+-----+
5 rows in set (0.00 sec)
```

9. Display the Supplier table in the descending order of CITY.

Ans: select * from S order by city desc;

```
D4_PratikSatpute_62758>select * from S order by city desc;
+-----+-----+-----+-----+
| S# | Sname | status | city   |
+-----+-----+-----+-----+
| S2 | jones | 10     | Paris  |
| S3 | Blake | 30     | Paris  |
| S4 | Clark | 20     | NewYork|
| S1 | Smith | 20     | London |
| S5 | Adams | 30     | Athens |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

10. Display the Part Table in the ascending order of CITY and within the city in the ascending order of Part names.

Ans: select * from P order by city , pname;

```
D4_PratikSatpute_62758>select * from P order by city , pname;
+-----+-----+-----+-----+-----+
| P# | Pname | color | weight | city   |
+-----+-----+-----+-----+-----+
| P6 | Cog   | Red   | 12     | London |
| P1 | Nut   | Red   | 12     | London |
| P4 | Screw | Red   | 14     | London |
| P2 | Bolt  | Green | 17     | Paris  |
| P5 | Cam   | Blue  | 12     | Paris  |
| P3 | Screw | Blue  | 17     | Rome   |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

11. Display all the Suppliers with a status between 10 and 20.**Ans:** select * from S where status between 10 and 20;

```
D4_PratikSatpute_62758> select * from S where status between 10 and 20;
+-----+-----+-----+-----+
| S# | Sname | status | city |
+-----+-----+-----+-----+
| S1 | Smith | 20 | London |
| S2 | Jones | 10 | Paris |
| S4 | Clark | 20 | NewYork |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

12. Display all the Parts and their Weight, which are not in the range of 10 and 15**Ans:** select pname, weight from p where weight not between 10 and 15;

```
D4_PratikSatpute_62758> select pname, weight from p where weight not between 10 and 15;
+-----+-----+
| pname | weight |
+-----+-----+
| Bolt | 17 |
| Screw | 17 |
+-----+-----+
2 rows in set (0.00 sec)
```