

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

```
mysql> SELECT Pname, color FROM p WHERE city='london';
```

```
+-----+-----+
| Pname | color |
+-----+-----+
| Nut   | RED   |
| Screw | RED   |
| cog   | red   |
+-----+-----+
```

2. Display all the Suppliers from London.

```
mysql> SELECT sname FROM s WHERE city='london';
```

```
+-----+
| sname |
+-----+
| Smith |
| Clark |
+-----+
```

3. Display all the Suppliers from Paris or Athens.

```
mysql> SELECT sname FROM s WHERE city IN ('Paris','Athens');
```

```
+-----+
| sname |
+-----+
| Jones |
| Blake |
| Adams |
+-----+
```

4. Display all the Jobs in Athens.

```
mysql> SELECT jname FROM j WHERE city='Athens';
```

```
+-----+
| jname |
+-----+
| reader |
| console |
+-----+
```

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

```
mysql> SELECT Pname FROM p WHERE weight BETWEEN 12 AND 14;
```

```
+-----+
| Pname |
+-----+
| Nut   |
| Screw |
| cam   |
+-----+
```

+-----+

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

```
mysql> SELECT * FROM s WHERE status>=20;
```

```
+---+-----+-----+-----+
| S# | Sname | status | city |
+---+-----+-----+-----+
| S1 | Smith | 20 | London |
| S3 | Blake | 30 | Paris |
| S4 | Clark | 20 | London |
| S5 | Adams | 30 | Athens |
+---+-----+-----+-----+
```

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

```
mysql> SELECT * FROM s WHERE city!='London';
```

```
+---+-----+-----+-----+
| S# | Sname | status | city |
+---+-----+-----+-----+
| S2 | Jones | 10 | Paris |
| S3 | Blake | 30 | Paris |
| S5 | Adams | 30 | Athens |
+---+-----+-----+-----+
```

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

```
mysql> SELECT city FROM s;
```

```
+-----+
| city |
+-----+
| London |
| Paris |
| Paris |
| London |
| Athens |
+-----+
```

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

```
mysql> SELECT * FROM s ORDER BY city DESC;
```

```
+---+-----+-----+-----+
| S# | Sname | status | city |
+---+-----+-----+-----+
| S2 | Jones | 10 | Paris |
| S3 | Blake | 30 | Paris |
| S1 | Smith | 20 | London |
| S4 | Clark | 20 | London |
| S5 | Adams | 30 | Athens |
+---+-----+-----+-----+
```

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

```
mysql> SELECT * FROM p ORDER BY city,pname;
```

```
+-----+-----+-----+-----+
| p# | Pname | color | weight | city |
+-----+-----+-----+-----+
| p6 | cog   | red   | 19 | 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   |
+-----+-----+-----+-----+
```

11. Display all the Suppliers with a status between 10 and 20.

```
mysql> SELECT * FROM s WHERE status=10 and status=20;
Empty set (0.00 sec)
```

12. Display all the Parts and their Weight, which are not in the range of 10 and 15.

```
mysql> SELECT pname,weight FROM p WHERE weight NOT Between 10 AND 15;
```

```
+-----+-----+
| pname | weight |
+-----+-----+
| bolt  | 17 |
| SCREW | 17 |
| cog   | 19 |
+-----+-----+
```