

SQL Exercise 6

1. Display all the Suppliers with the same Status as the supplier, 'CLARK'.

```
mysql> select * from s
      -> where status = (select status from s
      -> where sname = 'CLARK');
+-----+-----+-----+-----+
| S# | Sname | Status | City |
+-----+-----+-----+-----+
| S1 | Smith | 20 | London |
| S4 | Clark | 20 | London |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

2. Display all the Employees in the same department as the employee 'MILLER'.

```
mysql> select * from semp
      -> where deptno = (select deptno from semp
      -> where empname= 'MILLER');
+-----+-----+-----+-----+-----+
| EMPNO | EMPNAME | BASIC | DEPTNO | DEPTHEAD |
+-----+-----+-----+-----+-----+
| 0002 | HIREN | 8000 | 20 | NULL |
| 0004 | GEORGE | 6000 | 20 | 0002 |
| 0006 | MILLER | 4500 | 20 | 0002 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

3. Display all the Parts which have more Weight than all the Red parts.

```
mysql> select * from p
      -> WHERE CAST(WEIGHT AS UNSIGNED) > ALL (
      -> SELECT CAST(WEIGHT AS UNSIGNED) from p
      -> WHERE COLOR = 'Red');
+-----+-----+-----+-----+-----+
| P# | Pname | Color | Weight | City |
+-----+-----+-----+-----+-----+
| P2 | Nut | Blue | 14 | Paris |
| P3 | Screw | Black | 13 | London |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

4. Display all the Projects going on in the same city as the project 'TAPE'.

```
mysql> select * from j
      -> WHERE CITY = (SELECT CITY from j WHERE JNAME = 'TAPE');
Empty set (0.00 sec)
```

5. Display all the Parts with Weight less than all the Green parts.

```
mysql> select * from p
      -> WHERE WEIGHT < ALL (SELECT WEIGHT from p WHERE COLOR = 'GREEN')
Empty set (0.00 sec)
```

6. Display the name of the Supplier who has sold the maximum Quantity (in one sale).

```
mysql> SELECT s.SNAME from s
      -> JOIN spj ON s.`S#` = spj.`S#`
      -> WHERE spj.QTY = (SELECT MAX(QTY) FROM spj);
+-----+
| SNAME |
+-----+
| Clark |
+-----+
1 row in set (0.00 sec)
```

7. Display the name of the Employee with the minimum Salary.

```
mysql> select empname from semp
      -> where basic = (select min(basic) from semp)
+-----+
| empname |
+-----+
| ALI     |
+-----+
1 row in set (0.00 sec)
```

8. Display the name of the Supplier who has sold the maximum overall Quantity (sum of Sales).

```
mysql> SELECT s.SNAME
-> from s
-> JOIN spj ON s.`S#` = spj.`S#`
-> GROUP BY s.SNAME
-> ORDER BY SUM(spj.QTY) DESC
-> LIMIT 1;
```

```
+-----+
| SNAME |
+-----+
| Clark |
+-----+
```

9. Display the name of the Department with the maximum number of Employees.

```
mysql> SELECT d.DEPTNAME
-> from sdept d
-> JOIN semp e ON d.DEPTNO = e.DEPTNO
-> GROUP BY d.DEPTNAME
-> ORDER BY COUNT(*) DESC
-> LIMIT 1;
```

```
+-----+
| DEPTNAME |
+-----+
| Training |
+-----+
```

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