**SQL Exercise 6**

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

**Ans :**

**SELECT \***

**FROM suppliers**

**WHERE status = (**

**SELECT status**

**FROM suppliers**

**WHERE sname = 'CLARK'**

**);**

1. Display all the Employees in the same department as the employee ‘MILLER’.

**Ans :-**

**SELECT \***

**FROM employees**

**WHERE deptno = (**

**SELECT deptno**

**FROM employees**

**WHERE ename = 'MILLER'**

**);**

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

**Ans :-**

**mysql> select \* from p;**

**+------+-------+-------+--------+--------+**

**| P# | Pname | Color | Weight | City |**

**+------+-------+-------+--------+--------+**

**| P1 | Bolt | Red | 1.5 | Pune |**

**| P2 | Nut | Blue | 0.5 | Mumbai |**

**| P3 | Screw | Black | 0.8 | Delhi |**

**+------+-------+-------+--------+--------+**

**3 rows in set (0.00 sec)**

**mysql> select \* from p where weight > ALL (select weight from p where color = 'Red');**

1. Display all the Projects going on in the same city as the project ‘TAPE’.

**Ans :**

**mysql> SELECT \***

**-> FROM p**

**-> WHERE City = (**

**-> SELECT City**

**-> FROM p**

**-> WHERE Pname = 'TAPE'**

**-> );**

**Empty set (0.00 sec)**

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

**Ans :**

**mysql> use classwork1;**

**Database changed**

**mysql> SELECT \***

**-> FROM p**

**-> WHERE Weight < ALL (**

**-> SELECT Weight**

**-> FROM p**

**-> WHERE Color = 'Green'**

**-> );**

**+------+-------+-------+--------+--------+**

**| P# | Pname | Color | Weight | City |**

**+------+-------+-------+--------+--------+**

**| P1 | Bolt | Red | 1.5 | Pune |**

**| P2 | Nut | Blue | 0.5 | Mumbai |**

**| P3 | Screw | Black | 0.8 | Delhi |**

**+------+-------+-------+--------+--------+**

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

**Ans :-**

**SELECT S.Sname**

**FROM S**

**JOIN SP ON S.S# = SP.S#**

**WHERE SP.Qty = (**

**SELECT MAX(Qty)**

**FROM SP**

**);**

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

**Ans :**

**SELECT EmpName**

**FROM EMPLOYEE**

**WHERE Salary = (**

**SELECT MIN(Salary)**

**FROM EMPLOYEE**

**);**

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

**Ans :**

**SELECT S.Sname**

**FROM S**

**JOIN SP ON S.S# = SP.S#**

**GROUP BY S.Sname**

**HAVING SUM(SP.Qty) = (**

**SELECT MAX(total\_qty)**

**FROM (**

**SELECT SUM(Qty) AS total\_qty**

**FROM SP**

**GROUP BY S#**

**) AS qty\_summary**

**);**

**ANS 9TH :-**

**SELECT D.DeptName**

**FROM DEPARTMENT D**

**JOIN (**

**SELECT DeptID**

**FROM EMPLOYEE**

**GROUP BY DeptID**

**HAVING COUNT(\*) = (**

**SELECT MAX(emp\_count)**

**FROM (**

**SELECT COUNT(\*) AS emp\_count**

**FROM EMPLOYEE**

**GROUP BY DeptID**

**) AS dept\_counts**

**)**

**) AS MaxDept ON D.DeptID = MaxDept.DeptID;**

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