**SQL Exercise 5**

1. Display the Supplier name and the Quantity sold.

**Ans :**

**mysql> SELECT s.Sname, spj.Qty**

**-> FROM s**

**-> JOIN spj ON s.`S#` = spj.`S#`;**

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

**| Sname | Qty |**

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

**| Tata | 100 |**

**| Reliance | 200 |**

**| Infosys | 150 |**

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

1. Display the Part name and Quantity sold.

**Ans :-**

**mysql> SELECT p.Pname, spj.Qty**

**-> FROM p**

**-> JOIN spj ON p.`P#` = spj.`P#`;**

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

**| Pname | Qty |**

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

**| Bolt | 100 |**

**| Nut | 200 |**

**| Screw | 150 |**

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

1. Display the Project name and Quantity sold.

**Ans :-**

**mysql> SELECT j.Jname, spj.Qty**

**-> FROM j**

**-> JOIN spj ON j.`J#` = spj.`J#`;**

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

**| Jname | Qty |**

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

**| Metro | 100 |**

**| Bridge | 200 |**

**| Tower | 150 |**

1. Display the Supplier name, Part name, Project name and Quantity sold.

**Ans :**

**mysql> SELECT s.Sname, p.Pname, j.Jname, spj.Qty**

**-> FROM spj**

**-> JOIN s ON s.`S#` = spj.`S#`**

**-> JOIN p ON p.`P#` = spj.`P#`**

**-> JOIN j ON j.`J#` = spj.`J#`;**

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

**| Sname | Pname | Jname | Qty |**

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

**| Tata | Bolt | Metro | 100 |**

**| Reliance | Nut | Bridge | 200 |**

**| Infosys | Screw | Tower | 150 |**

1. Display the Supplier name, Supplying Parts to a Project in the same City.

**Ans :**

**SELECT DISTINCT s.Sname**

**-> FROM s**

**-> JOIN spj ON s.`S#` = spj.`S#`**

**-> JOIN p ON p.`P#` = spj.`P#`**

**-> JOIN j ON j.`J#` = spj.`J#`**

**-> WHERE s.City = p.City AND p.City = j.City;**

**Empty set (0.01 sec)**

1. Display the Part name that is ‘Red’ is color, and the Quantity sold.

**Ans :**

**mysql> SELECT p.Pname, spj.Qty**

**-> FROM p**

**-> JOIN spj ON p.`P#` = spj.`P#`**

**-> WHERE p.Color = 'Red';**

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

**| Pname | Qty |**

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

**| Bolt | 100 |**

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

1. Display all the Quantity sold by Suppliers with the Status = 20.

**Ans :**

**mysql> SELECT s.Sname, spj.Qty**

**-> FROM s**

**-> JOIN spj ON s.`S#` = spj.`S#`**

**-> WHERE s.Status = 20;**

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

**| Sname | Qty |**

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

**| Reliance | 200 |**

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

1. Display all the Parts and Quantity with a Weight > 14.

**Ans :-**

**mysql> SELECT p.Pname, spj.Qty**

**-> FROM p**

**-> JOIN spj ON p.`P#` = spj.`P#`**

**-> WHERE p.Weight > 14;**

**Empty set (0.00 sec)**

1. Display all the Project names and City, which has bought more than 500 Parts.

**Ans :**

**mysql> SELECT j.Jname, j.City**

**-> FROM j**

**-> JOIN spj ON j.`J#` = spj.`J#`**

**-> GROUP BY j.Jname, j.City**

**-> HAVING SUM(spj.Qty) > 500;**

**Empty set (0.01 sec)**

1. Display all the Part names and Quantity sold that have a Weight less than 15.

**Ans :**

**mysql> SELECT p.Pname, spj.Qty**

**-> FROM p**

**-> JOIN spj ON p.`P#` = spj.`P#`**

**-> WHERE p.Weight < 15;**

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

**| Pname | Qty |**

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

**| Bolt | 100 |**

**| Nut | 200 |**

**| Screw | 150 |**

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

1. Display all the Employee names and the name of their Managers.