

## SQL Exercise 5

1. Display the Supplier name and the Quantity sold.

**Ans:**

```
SELECT Sname, Quantity  
FROM Suppliers;
```

2. Display the Part name and Quantity sold.

**Ans:**

```
SELECT Pname, Quantity  
FROM Parts;
```

3. Display the Project name and Quantity sold.

**Ans:**

```
SELECT JNAME, Quantity  
FROM Project;
```

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

**Ans:**

```
SELECT S.Sname, P.Pname, J.JNAME, P.Quantity  
FROM Suppliers S  
JOIN Parts P ON S.Snum = P.Snum  
JOIN Project J ON J.Pjnum = P.Pjnum;
```

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

**Ans:**

```
SELECT S.Sname, P.Pname, J.JNAME, P.Quantity  
FROM Suppliers S  
JOIN Parts P ON S.Snum = P.Snum  
JOIN Project J ON J.City = S.City  
WHERE P.Pjnum = J.Pjnum;
```

6. Display the Part name that is 'Red' is color, and the Quantity sold.

**Ans:**

```
SELECT Pname, Quantity
FROM Parts
WHERE Color = 'Red';
```

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

**Ans:**

```
SELECT Sname, Quantity
FROM Suppliers
WHERE Status = 20;
```

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

**Ans:**

```
SELECT Pname, Quantity
FROM Parts
WHERE Weight > 14;
```

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

**Ans:**

```
SELECT JNAME, City
FROM Project P
JOIN Parts Pr ON P.Pjnum = Pr.Pjnum
GROUP BY JNAME, City
HAVING SUM(Pr.Quantity) > 500;
```

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

**Ans:**

```
SELECT Pname, Quantity
FROM Parts
WHERE Weight < 15;
```

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

**Ans:**

```
SELECT E.EmpName, M.EmpName AS ManagerName  
FROM Employees E  
JOIN Employees M ON E.ManagerId = M.EmpId;
```

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