

Creating the tables

1. Salesperson Table

```
CREATE TABLE Salesperson (  
    SID INT PRIMARY KEY,  
    Name VARCHAR(50),  
    Age INT,  
    Salary INT  
);  
  
-- Inserting data  
INSERT INTO Salesperson (SID, Name, Age, Salary) VALUES  
(1, 'Abe', 61, 140000),  
(2, 'Bob', 34, 44000),  
(5, 'Chris', 34, 40000),  
(7, 'Dan', 41, 52000),  
(8, 'Ken', 57, 115000),  
(11, 'Joe', 38, 38000);
```

2. Product Table

sql

CopyEdit

```
CREATE TABLE Product (  
    PID INT PRIMARY KEY,  
    SID INT,  
    Name VARCHAR(50),  
    City VARCHAR(50),  
    FOREIGN KEY (SID) REFERENCES Salesperson(SID)  
);  
  
-- Inserting data  
INSERT INTO Product (PID, SID, Name, City) VALUES  
(1, 1, 'Samsonic', 'Pleasant'),  
(2, 5, 'Panasonic', 'Oaktown'),  
(3, 7, 'Samony', 'Jackson'),  
(4, 8, 'Orange', 'Jackson');
```

Queries

1. Find the name of all salespeople that have an order with Samsonic

```
SELECT S.Name
FROM Salesperson S
JOIN Product P ON S.SID = P.SID
WHERE P.Name = 'Samsonic';
```

2. Names of all salespeople that do not have any order with Samsonic

```
SELECT Name
FROM Salesperson
WHERE SID NOT IN (
    SELECT SID FROM Product WHERE Name = 'Samsonic'
);
```

3. Names of salespeople that have 2 or more orders

```
SELECT S.Name
FROM Salesperson S
JOIN Product P ON S.SID = P.SID
GROUP BY S.SID, S.Name
HAVING COUNT(P.PID) >= 2;
```

4. Display all salespersons with age less than 40

```
SELECT * FROM Salesperson WHERE Age < 40;
```

5. Find the ID and name of salesperson who is selling product "Panasonic"

```
SELECT S.SID, S.Name
FROM Salesperson S
JOIN Product P ON S.SID = P.SID
WHERE P.Name = 'Panasonic';
```