

```
mysql> CREATE TABLE Salesman (  
-> Saleman_id INT PRIMARY KEY,  
-> name VARCHAR(50),  
-> city VARCHAR(50),  
-> commission FLOAT  
-> );  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> CREATE TABLE Customers (  
-> Customer_id INT PRIMARY KEY,  
-> customer_name VARCHAR(50),  
-> city VARCHAR(50),  
-> grade INT,  
-> Saleman_id INT,  
-> FOREIGN KEY (Saleman_id) REFERENCES Salesman(Saleman_id)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> CREATE TABLE Orders (  
-> ord_no INT PRIMARY KEY,  
-> ord_date DATE,  
-> purch_amt DECIMAL(10,2),  
-> Customer_id INT,  
-> Saleman_id INT,  
-> FOREIGN KEY (Customer_id) REFERENCES Customers(Customer_id),  
-> FOREIGN KEY (Saleman_id) REFERENCES Salesman(Saleman_id)  
-> );  
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> INSERT INTO Salesman VALUES  
-> (5001, 'James Hoog', 'New York', 0.15),  
-> (5002, 'Nail Knite', 'Paris', 0.13),  
-> (5005, 'Pit Alex', 'London', 0.11),  
-> (5006, 'Mc Lyon', 'Paris', 0.14);  
Query OK, 4 rows affected (0.01 sec)  
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> INSERT INTO Customers VALUES  
-> (3002, 'Nick Rimando', 'New York', 100, 5001), -- Same city as S 5001  
-> (3007, 'Brad Davis', 'New York', 200, 5001), -- Same city as S 5001  
-> (3005, 'Graham Zusi', 'California', 200, 5002), -- Diff city from S 5002 (Paris)  
-> (3008, 'Julian Green', 'London', 300, 5002); -- Diff city from S 5002 (Paris)  
Query OK, 4 rows affected (0.01 sec)
```

```
mysql> INSERT INTO Orders VALUES
-> (70001, '2012-10-05', 150.50, 3005, 5002),
-> (70009, '2012-09-10', 270.65, 3005, 5002),
-> (70002, '2012-10-05', 65.26, 3002, 5001),
-> (70004, '2012-08-17', 110.50, 3008, 5002),
-> (70005, '2012-10-10', 2400.60, 3007, 5001),
-> (70008, '2012-10-10', 5760.00, 3002, 5001);
```

```
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT Customers.customer_name, Salesman.name, Salesman.city
-> FROM Customers
-> INNER JOIN Salesman ON Customers.city = Salesman.city;
```

customer_name	name	city
Brad Davis	James Hoog	New York
Nick Rimando	James Hoog	New York
Julian Green	Pit Alex	London

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

```
mysql> SELECT Customers.customer_name, Salesman.name
-> FROM Customers
-> INNER JOIN Salesman ON Customers.Saleman_id = Salesman.Saleman_id;
```

customer_name	name
Nick Rimando	James Hoog
Graham Zusi	Nail Knite
Brad Davis	James Hoog
Julian Green	Nail Knite

```
4 rows in set (0.00 sec)
```

```
mysql> SELECT Orders.ord_no, Customers.customer_name, Customers.city AS Cust_City, Salesman.city AS Sales_City
-> FROM Orders
-> INNER JOIN Customers ON Orders.Customer_id = Customers.Customer_id
-> INNER JOIN Salesman ON Orders.Saleman_id = Salesman.Saleman_id
-> WHERE Customers.city <> Salesman.city;
```

ord_no	customer_name	Cust_City	Sales_City
70001	Graham Zusi	California	Paris
70009	Graham Zusi	California	Paris
70004	Julian Green	London	Paris

3 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM Orders
-> WHERE purch_amt > (
-> SELECT AVG(purch_amt)
-> FROM Orders
-> WHERE ord_date = '2012-10-10'
-> );
```

ord_no	ord_date	purch_amt	Customer_id	Saleman_id
70008	2012-10-10	5760.00	3002	5001

1 row in set (0.00 sec)

```
mysql> SELECT *
-> FROM Orders
-> WHERE Saleman_id IN (
-> SELECT Saleman_id
-> FROM Salesman
-> WHERE city = 'Paris'
-> );
```

ord_no	ord_date	purch_amt	Customer_id	Saleman_id
70001	2012-10-05	150.50	3005	5002
70004	2012-08-17	110.50	3008	5002
70009	2012-09-10	270.65	3005	5002

3 rows in set (0.00 sec)

```
mysql>
```