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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)
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```
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 Zusy | California | Paris
| 70009 | Graham Zusy | 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> |

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