

MySQL TABLES & INSERT DATA

◆ SALESMAN TABLE

```
CREATE TABLE salesman (
    salesman_id INT PRIMARY KEY,
    name VARCHAR(25),
    city VARCHAR(25),
    commission DECIMAL(4,2)

);
```

INSERT VALUES

```
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),
(5007, 'Paul Adam', 'Rome', 0.13),
(5003, 'Lauson Hen', 'San Jose', 0.12);
```

◆ CUSTOMER TABLE

```
CREATE TABLE customer (
    customer_id INT PRIMARY KEY,
    cust_name VARCHAR(25),
    city VARCHAR(25),
    grade INT,
    salesman_id INT

);
```

INSERT VALUES

```
INSERT INTO customer VALUES
```

```
(3002, 'Nick Rimando', 'New York', 100, 5001),  
(3007, 'Brad Davis', 'New York', 200, 5001),  
(3005, 'Graham Zusi', 'California', 200, 5002),  
(3008, 'Julien Simon', 'London', 300, 5002),  
(3004, 'Fabian Johnson', 'Paris', 300, 5006),  
(3009, 'Geoff Cameron', 'Berlin', 100, 5003),  
(3003, 'Jozy Altidore', 'Moscow', 200, 5007),  
(3001, 'Brad Guzan', 'London', NULL, 5005);
```

ANSWERS WITH MySQL QUERIES

1. Salesman and customer who live in the same city

```
SELECT s.name AS salesman_name, c.cust_name, s.city  
FROM salesman s  
JOIN customer c  
ON s.city = c.city;
```

2. Salesman and customers he represents

```
SELECT s.name AS salesman_name, c.cust_name  
FROM salesman s
```

```
JOIN customer c  
ON s.salesman_id = c.salesman_id;
```

 **3. Salesmen with commission more than 12%**

```
SELECT name, commission  
FROM salesman  
WHERE commission > 0.12;
```

 **4. Customers and salesman (different cities + commission > 12%)**

```
SELECT c.cust_name,  
       s.name AS salesman_name,  
       c.city AS customer_city,  
       s.city AS salesman_city  
FROM salesman s  
JOIN customer c  
ON s.salesman_id = c.salesman_id  
WHERE s.city <> c.city  
AND s.commission > 0.12;
```

 **5. Customers who do not live in the same city as their salesman**

```
SELECT c.cust_name,  
       c.city AS customer_city,  
       s.city AS salesman_city  
FROM salesman s  
JOIN customer c  
ON s.salesman_id = c.salesman_id  
WHERE s.city <> c.city;
```

 **6. Customer name, city, grade, salesman name & city**

```
SELECT c.cust_name,  
       c.city AS customer_city,  
       c.grade,  
       s.name AS salesman_name,  
       s.city AS salesman_city  
FROM customer c  
JOIN salesman s  
ON c.salesman_id = s.salesman_id;
```

 **7. Customers with grade less than 300**

```
SELECT cust_name, grade  
FROM customer  
WHERE grade < 300;
```

 **8. Order customers by customer_id**

```
SELECT *  
FROM customer  
ORDER BY customer_id;
```

 **9. Customers who have not placed any order**

(Based on NULL grade, since no ORDER table is given)

```
SELECT cust_name  
FROM customer  
WHERE grade IS NULL;
```


ORACLE TABLES & INSERT DATA

◆ SALESMAN TABLE (Oracle)

```
CREATE TABLE salesman (
    salesman_id NUMBER(4) PRIMARY KEY,
    name VARCHAR2(25),
    city VARCHAR2(25),
    commission NUMBER(4,2)
);
```

INSERT DATA

```
INSERT INTO salesman VALUES (5001, 'James Hoog', 'New York', 0.15);
INSERT INTO salesman VALUES (5002, 'Nail Knite', 'Paris', 0.13);
INSERT INTO salesman VALUES (5005, 'Pit Alex', 'London', 0.11);
INSERT INTO salesman VALUES (5006, 'Mc Lyon', 'Paris', 0.14);
INSERT INTO salesman VALUES (5007, 'Paul Adam', 'Rome', 0.13);
INSERT INTO salesman VALUES (5003, 'Lauson Hen', 'San Jose', 0.12);
```

◆ CUSTOMER TABLE (Oracle)

```
CREATE TABLE customer (
    customer_id NUMBER(4) PRIMARY KEY,
    cust_name VARCHAR2(25),
    city VARCHAR2(25),
    grade NUMBER(3),
    salesman_id NUMBER(4)
```

);

INSERT DATA

```
INSERT INTO customer VALUES (3002, 'Nick Rimando', 'New York', 100, 5001);
INSERT INTO customer VALUES (3007, 'Brad Davis', 'New York', 200, 5001);
INSERT INTO customer VALUES (3005, 'Graham Zusi', 'California', 200, 5002);
INSERT INTO customer VALUES (3008, 'Julien Simon', 'London', 300, 5002);
INSERT INTO customer VALUES (3004, 'Fabian Johnson', 'Paris', 300, 5006);
INSERT INTO customer VALUES (3009, 'Geoff Cameron', 'Berlin', 100, 5003);
INSERT INTO customer VALUES (3003, 'Jozy Altidore', 'Moscow', 200, 5007);
INSERT INTO customer VALUES (3001, 'Brad Guzan', 'London', NULL, 5005);
COMMIT;
```



SECTION B: ANSWERS (Oracle SQL)

1. Salesman and customer from the same city

```
SELECT s.name AS salesman_name,
       c.cust_name,
       s.city
  FROM salesman s
 JOIN customer c
 WHERE s.city = c.city;
```

2. Salesman and customers he represents

```
SELECT s.name AS salesman_name,
```

```
c.cust_name  
FROM salesman s  
JOIN customer c  
ON s.salesman_id = c.salesman_id;
```

 **3. Salesmen earning more than 12% commission**

```
SELECT name, commission  
FROM salesman  
WHERE commission > 0.12;
```

 **4. Customers & salesman (different cities + commission > 12%)**

```
SELECT c.cust_name,  
       s.name AS salesman_name,  
       c.city AS customer_city,  
       s.city AS salesman_city  
FROM salesman s  
JOIN customer c  
ON s.salesman_id = c.salesman_id  
WHERE s.city <> c.city  
AND s.commission > 0.12;
```

 **5. Customers not living in the same city as their salesman**

```
SELECT c.cust_name,  
       c.city AS customer_city,  
       s.city AS salesman_city  
FROM salesman s  
JOIN customer c  
ON s.salesman_id = c.salesman_id
```

```
WHERE s.city <> c.city;
```

6. Customer name, city, grade, salesman name & city

```
SELECT c.cust_name,  
       c.city AS customer_city,  
       c.grade,  
       s.name AS salesman_name,  
       s.city AS salesman_city  
FROM customer c  
JOIN salesman s  
ON c.salesman_id = s.salesman_id;
```

7. Customers with grade less than 300

```
SELECT cust_name, grade  
FROM customer  
WHERE grade < 300;
```

8. Order customers by customer_id

```
SELECT *  
FROM customer  
ORDER BY customer_id;
```

9. Customers who have not placed any order

(No ORDER table → NULL grade assumption)

```
SELECT cust_name  
FROM customer  
WHERE grade IS NULL;
```