1. Create the following tables named **Customer** and **Salesman**.

```
customer_id |    cust_name    |    city     | grade | salesman_id
------------+-----------------+-------------+-------+-------------
       3002 | Nick Rimando    | New York    |   100 |        5001
       3007 | Brad Davis      | New York    |   200 |        5001
       3005 | Graham Zusi     | California  |   200 |        5002
       3008 | Julian Green    | London      |   300 |        5002
       3004 | Fabian Johnson  | Paris       |   300 |        5006
       3009 | Geoff Cameron   | Berlin      |   100 |        5003
       3003 | Jozy Altidor    | Moscow      |   200 |        5007
       3001 | Brad Guzan      | London      |   200 |        5005
```

Table: Customer

```
salesman_id |    name     |   city    | commission
------------+-------------+-----------+------------
       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
```

Table: Salesman

2. Write a SQL statement to find the names of all customers along with the salesmen who works for them.

```
SELECT customer.cust_name, salesman.name
FROM customer,salesman
WHERE salesman.salesman_id = customer.salesman_id;
```

3. Write a query to find those customers with their name and those salesmen with their name and city who lives in the same city.

```
SELECT customer.cust_name,
salesman.name, salesman.city
FROM salesman, customer
WHERE salesman.city = customer.city;
```

4. Write a query to display all salesmen and customer located in London.

```
SELECT salesman_id "ID", name, 'Salesman'
FROM salesman
WHERE city='London'
UNION
(SELECT customer_id "ID", cust_name, 'Customer'
FROM customer
WHERE city='London')
```

5. Write a query to find the cities where both customers and salesmen live.

```
SELECT city from customer
INTERSECT
SELECT city from salesman;
```

6. Write a query to display the cities where only customers live.

```
SELECT city from customer
EXCEPT
SELECT city from salesman;
```

7. Write a query to display the commission of all the salesmen servicing customers in Paris.

```
SELECT commission
FROM salesman
WHERE salesman_id IN
(SELECT salesman_id
FROM customer
WHERE city = 'Paris');
```

8. Write a query to find the name and numbers of all salesmen who had more than one customer.

```
SELECT salesman_id,name
FROM salesman a
WHERE 1 <
(SELECT COUNT(*)
FROM customer
WHERE salesman_id=a.salesman_id);
```

9. Write a query to find all the salesmen for whom there are customers that follow them.

```
SELECT *
FROM salesman
WHERE city IN
(SELECT city
FROM customer);
```

10. Write a query to display only those customers whose grade are, in fact, higher than every customer in New York.

```
SELECT *
FROM customer
WHERE grade > ALL
(SELECT grade
    FROM customer
    WHERE city='New York');
```