#### **Problem Statement:**

There can be multiple customers, who can place multiple orders on the site. Now a sales person can handle these orders will distribute into multiple sales persons (One order will be assign to one salesperson only). So a sales person can have multiple orders of multiple customers

Question: 1: Create Database

```
mysql> create database assignment;
Query OK, 1 row affected (0.00 sec)
```

Question: 2: Design Schema

## Question: 3: Create tables

```
mysql> create table salesperson(
    -> s_id bigint not null auto_increment,
    -> name varchar(100),
    -> primary key(s_id)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> create table customer(
    -> cname varchar(100),
    -> c_id bigint not null auto_increment,
    -> primary key(c_id)
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> create table orders(
    -> o_id bigint not null auto_increment,
    ->
    -> s_id bigint,
    -> c_id bigint,
    -> primary key(o_id),
    -> primary key(o_id),
    -> foreign key(s_id) references salesperson(s_id),
    -> foreign key(c_id) references customer(c_id)
    -> );
Query OK, 0 rows affected (0.04 sec)
```

# Question: 4: Insert sample data

```
mysql> insert into customer(cname) values("C_A");
Query OK, 1 row affected (0.01 sec)
mysql> insert into customer(cname) values("C_B");
Query OK, 1 row affected (0.00 sec)
mysql> insert into customer(cname) values("C_C");
Query OK, 1 row affected (0.02 sec)
mysql> insert into customer(cname) values("C_D");
Query OK, 1 row affected (0.00 sec)
mysql> insert into customer(cname) values("C_E");
Query OK, 1 row affected (0.02 sec)
mysql> select * from customer;
| cname | c_id |
 C_A
              1 I
 C_B
C_C
               2
              3
  C_D
              4
  C_E
               5
5 rows in set (0.00 sec)
```

```
mysql>
mysql> insert into orders(c_id,s_id) values(1,2);
Query OK, 1 row affected (0.01 sec)
mysql> insert into orders(c_id,s_id) values(2,2);
Query OK, 1 row affected (0.01 sec)
mysql> insert into orders(c_id,s_id) values(2,1);
Query OK, 1 row affected (0.02 sec)
mysql> insert into orders(c_id,s_id) values(5,3);
Query OK, 1 row affected (0.01 sec)
mysql> insert into orders(c_id,s_id) values(3,1);
Query OK, 1 row affected (0.01 sec)
mysql> insert into orders(c_id,s_id) values(4,2);
Query OK, 1 row affected (0.01 sec)
mysql> select * from orders;
 o_id | s_id | c_id |
                 1 |
    1 |
    2
           2
                  2
    3 |
                  2
    4
           3 |
           1 |
           2
     6
                  4
6 rows in set (0.00 sec)
```

#### Question: 5:

Find the sales person have multiple orders.

# Question: 6:

Find the all sales person details along with order details

Question: 7: Create index

```
mysql> alter table orders add index s_id(s_id);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

Question: 8:

How to show index on a table

### Question: 9:

Find the order number, sale person name, along with the customer to whom that order belongs to