1. Create Database

```
[mysql> create database project;
Query OK, 1 row affected (0.00 sec)
[mysql> use project;
Database changed
```

2. Design Schema

```
mysql> desc salesman;
| Field
                                 Null |
                                        Key
                                              Default |
                                                         Extra
                  Type
                                 YES
 id
                  int
                                              NULL
                                 YES
  salesman_name
                  varchar(25)
                                              NULL
 order_id
                  int
                                 YES
                                        MUL
                                              NULL
3 rows in set (0.01 sec)
mysql> desc customer;
 Field
                                 Null |
                                              Default |
                  Type
                                        Key
                                                         Extra
  id
                  int
                                 YES
                                              NULL
                  varchar(25)
                                              NULL
  customer_name
                                 YES
 order_id
                                 YES
                                        MUL
                                              NULL
3 rows in set (0.00 sec)
mysql> desc order_table;
                                     Key
 Field
               Type
                              Null |
                                           Default
                                                      Extra
               int
                              NO
                                     PRI
                                           NULL
                                                      auto_increment
 order_name
               varchar(25)
                              YES
                                           NULL
2 rows in set (0.01 sec)
```

3. Create tables

```
mysql> create table order_table(id int primary key auto_increment,order_name varchar(25));
Query OK, 0 rows affected (0.04 sec)

mysql> create table customer(id int,customer_name varchar(25),order_id int,foreign key(order_id)references order_table(id));
Query OK, 0 rows affected (0.02 sec)

mysql> create table salesman(id int,salesman_name varchar(25),order_id int,foreign key(order_id)references order_table(id));
Query OK, 0 rows affected (0.02 sec)
```

4. Insert sample data

```
[mysql> insert into salesman values(1,'sm1',2),(2,'sm2',3),(3,'sm3',2),(4,'sm4',4);
Query OK, 4 rows affected (0.00 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql>
[mysql> insert into customer values (1,'shishir',2),(2,'raj',3),(3,'jai',2),(4,'aman',4),(1,'shishir',3);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql>
```

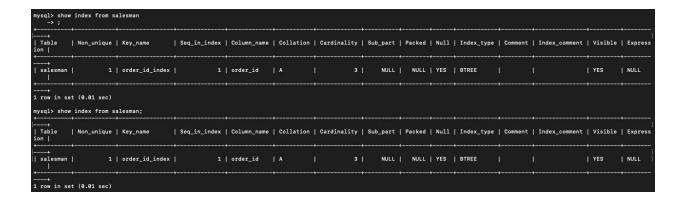
5. Find the sales person have multiple orders.

6. Find the all sales person details along with order details

7. Create index

```
mysql> create index order_id_index on salesman(order_id);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8. How to show index on a table



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