Exercise

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

1. Create Database

2. Design Schema

Create tables

```
mysql> create table customers ( Oid int NOT NULL AUTO_INCREMENT, customer_name varchar(255), order_name varchar(255), PRIMARY KEY(oid) );
Query OK, 0 rows affected (0.04 sec)
mysgl> desc customers
                                         | Null | Key | Default | Extra
 Field
                     Type
  Oid | int(11) | NO
customer_name | varchar(255) | YES
order_name | varchar(255) | YES
                                                  | PRI | NULL
                                                                          auto increment
                                                          NULL
 rows in set (0.00 sec)
mysql> create table persons ( Oid int NOT NULL, person_name varchar(255), order_name varchar(255) );
Query OK, 0 rows affected (0.03 sec)
 mysql> desc persons;
                                      | Null | Key | Default | Extra |
  Field
                  Type
  Oid | int(11) | NO
person_name | varchar(255) | YES
order_name | varchar(255) | YES
  rows in set (0.00 sec)
```

4. Insert sample data

```
mysql> insert into customers (customer_name, order_name) values('arjun', 'dell');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customers (customer_name, order_name) values('arun', 'lenovo');
Query OK, 1 row affected (0.02 sec)

mysql> insert into customers (customer_name, order_name) values('arjun', 'lenovo');
Query OK, 1 row affected (0.01 sec)

mysql> insert into customers (customer_name, order_name) values('akhil', 'hp');
Query OK, 1 row affected (0.01 sec)

mysql> insert into persons ( oid, person_name) values('1', 'p1' );
Query OK, 1 row affected (0.01 sec)

mysql> insert into persons (oid, person_name) values('2', 'p1');
Query OK, 1 row affected (0.01 sec)

mysql> insert into persons (oid, person_name) values('3', 'p2');
Query OK, 1 row affected (0.01 sec)

mysql>
```

5. Find the sales person have multiple orders.

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

```
nysql> select * from persons;
| Oid | person_name |
   1 | p1
2 | p1
4 | p2
3 rows in set (0.00 sec)
mysql> select * from customers;
| Oid | customer_name | order_name |
   1 | arjun
2 | arun
3 | arjun
4 | akhil
                 | dell
| lenovo
| lenovo
| hp
frows in set (0.01 sec)
mysql> select persons.person_name, customers.order_name from persons LEFT JOIN customers on persons.oid=customers.oid;
| person name | order name |
               | lend
                 lenovo
3 rows in set (0.00 sec)
mysql>
mysql>
```

7. Create index

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