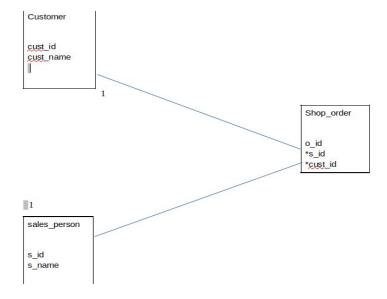
Problem Statement:

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



3. Create tables

Customer

Salesperson

Shop_order

4. Insert sample data

Data in Customer Table

```
mysql> insert into customer values
-> (1001, "Ranjeet Sharma"),
-> (1002, "Tejasvi Arora"),
-> (1003, "Swaraj Nair");
Query OK, 3 rows affected (0.08 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

Data in sales_person table

```
mysql> insert into sales_person values (1001, "Rakshit Paul"), (1002, "Shikhar A
rora"), (1003, "Mitali Nag");
Query OK, 3 rows affected (0.05 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

Data in shop_order

```
mysql> insert into shop_order values
-> (1001, 1001, 1001),
-> (1002, 1001, 1002),
-> (1003, 1002, 1001),
-> (1004, 1003, 1001);
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

5. Find the sales person have multiple orders.

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

```
ysql> select sp.*, sh.o_id, sh.cust_id from sales_person sp left join shop_orde
sh on sp.s_id = sh.s_id;
s_id | s_name
                   | o_id | cust_id |
1001 | Rakshit Paul
                    1001
                                1001
1002 | Shikhar Arora | 1002 |
                                1001
1001 | Rakshit Paul | 1003 |
                                1002
1001 | Rakshit Paul | 1004 |
                                1003
1003 | Mitali Nag | NULL |
                                NULL
rows in set (0.00 sec)
```

7. Create index.

```
mysql> create index ord on shop_order(o_id);
Query OK, 0 rows affected (0.38 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8. Show index on a table.

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