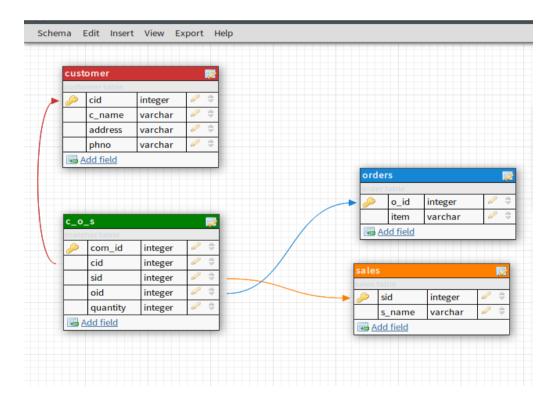
Problem Statement: There can be multiple customers, who can place multiple orders on the site. Now these orders will distribute into multiple sales persons (One order will be assign to one salesperson only). So a sales person can have multiple orders of multile customers

1. Create Database

2.Design Schema



3.Create tables

4.Insert sample data

```
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mysql> desc c_o_s;

| Field | Type | Null | Key | Default | Extra |
| Com_id | int(11) | No | PRI | NULL | |
| cid | int(11) | YES | MUL | NULL | |
| sid | int(11) | YES | MUL | NULL | |
| quantity | int(11) | YES | MUL | NULL | |
| quantity | int(11) | YES | MUL | NULL | |
| toom in set (0.00 sec)

mysql> select * from c_o_s;

| Com_id | cid | sid | oid | quantity |
| 100 | 1 | 66 | 10 | 1 |
| 101 | 2 | 67 | 11 | 2 |
| 102 | 3 | 68 | 12 | 1 |
| 103 | 4 | 66 | 13 | 2 |
| 104 | 1 | 67 | 11 | 1 |
| 105 | 1 | 68 | 12 | 2 |
| 106 | 1 | 66 | 13 | 1 |
| 107 | 2 | 67 | 10 | 2 |
| 108 | 2 | 68 | 12 | 1 |
| 109 | 2 | 66 | 13 | 2 |
| 109 | 2 | 66 | 13 | 2 |

10 rows in set (0.00 sec)

mysql> 
| mysql> |
```

5. Find the sales person have multiple orders.

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

```
ttn@ttn: ~
mysql> select sales.s_name,orders.item,c_o_s.quantity from c_o_s join sales on s
ales.s_id join orders on orders.o_id=c_o_s.oid;
 s_name | item | quantity |
 amazon
             shoe1
 snapdeal
             shoe1
 ebay
flipkart
             shoe1
             shoe2
 amazon
             shoe2
 snapdeal
             shoe2
             shoe2
 ebay
 flipkart
 amazon
             shoe3
 snapdeal
             shoe3
 ebay
 flipkart
 snapdeal
             shoe4
             shoe4
 ebay
  flipkart
  amazon
             shoe2
  snapdeal
             shoe2
```

7.Create index 8.show index

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

```
ttn@ttn: ~
mysql> select c_o_s.com_id,customer.c_name,customer.ph_no,customer.adress,orders
.o_id,orders.item,sales.s_name from c_o_s join customer on c_o_s.cid=customer.c
                                                join orders on c o s.oid=orders.o id
                                                join sales on c o s.sid=sales.s id ;
 com_id | c_name | ph_no | adress
                                          | o_id | item | s_name
     100 | souvik | 1234 | gahziabad |
                                                10 |
                                                     shoel | flipkart
          dhruv
                       2345
                                sahibabad
                                                     shoe2
          deepak
                       3456
                                gurgaon
                                                     shoe3
                                                              snapdeal
           deepika
                       0456
                                palam
                                                     shoe4
                                                              flipkart
                                gahziabad İ
           souvik
     104
                       1234
                                                     shoe2
                                                              amazon
                       1234
     105
                                gahziabad |
                                                     shoe3
                                                              snapdeal
                                gahziabad
     106
            souvik
                       1234
                                                     shoe4
                                                               flipkart
                       2345
                                sahibabad
                                                     shoe1
                                                              amazon
     108
           dhruv
                       2345
                                sahibabad
                                                     shoe3
                                                              snapdeal
     109
           dhruv
                       2345
                                sahibabad
                                                              flipkart
                                                     shoe4
           deepika
                       0456
                                palam
                                                     shoe1
     110
                                                              amazon
     111
          | deepika
                       0456
                              | palam
                                                13
                                                     shoe4
                                                              ebay
12 rows in set (0.00 sec)
mysql> 🗌
```