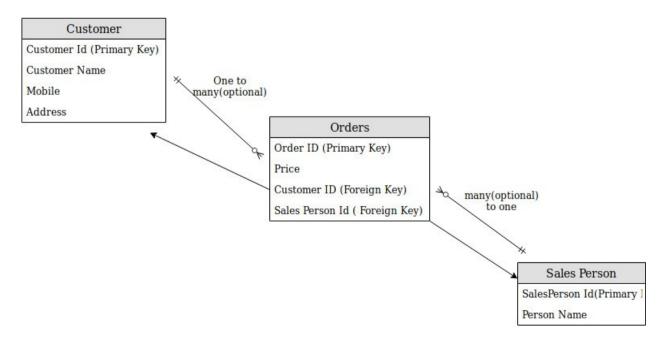
# Ritesh Singh empId 3239 Introduction to Database

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

mysql> create table orders( or\_id int NOT NULL, or\_no int NOT NULL AUTO\_INCREMENT, cus\_id int(20) NOT NULL, PRIMARY KEY(or\_no), FOREIGN KEY (cus\_id) REFERENCES customer(cust\_id));
Query OK, 0 rows affected (0.53 sec)

```
mysql> desc customer;
| Field | Type | Null | Key | Default | Extra
| YES
                           NULL
| cust_name | char(50)
| mobile no | bigint(20) | YES
                            I NULL
| address | varchar(50) | YES |
                            I NULL
4 rows in set (0.00 sec)
mysql> desc sellers;
| Field | Type | Null | Key | Default | Extra |
s name | char(50) | YES | NULL
2 rows in set (0.00 sec)
mysql> desc orders;
| PRI | NULL
s_id
 s_id | int(11) | NO
c_id | int(20) | NO
                     | MUL | NULL
                     | MUL | NULL
 o name | varchar(50) | YES | | NULL
4 rows in set (0.00 sec)
```

## 4. Insert sample data

```
mysql> insert into customer
    -> values(1,"Ritesh Singh",988888888,"a-32"),
    -> (2,"Vishal Sharma",720000000,"gzb"),
    -> (3, "Rishabh", "999999999", "greno");
Query OK, 3 rows affected (0.08 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> insert into sellers
    -> values(21, "Shiv"),
    -> (22, "Pratap");
Query OK, 2 rows affected (0.04 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql> insert into orders
   -> values(1011,22,1,"cola"),
    -> (1012,21,2,"pepsi"),
   -> (1013,22,3,"cola");
Query OK, 3 rows affected (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 0
mvsql>
```

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 seller_id_index on orders(s_id);
Query OK, 0 rows affected (0.44 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