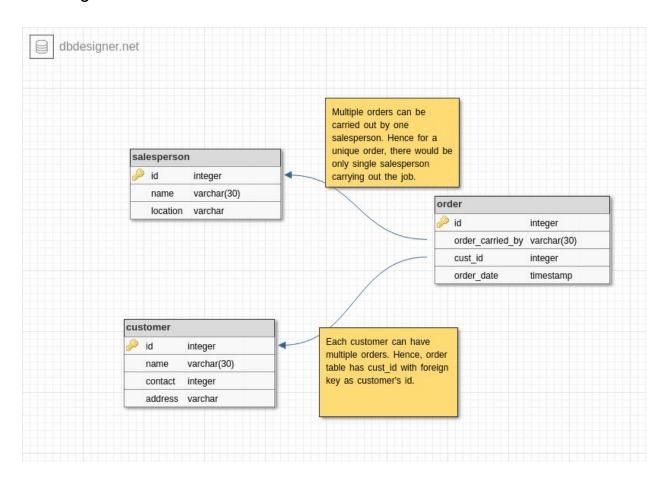
### 1. Create Database

```
mysql> create database sales;
Query OK, 1 row affected (0.00 sec)
mysql> use sales;
Databas<u>e</u> changed
```

# 2. Design Schema



### 3. Create tables

## 4. Insert sample data

```
File Edit View Search Terminal Help

mysql> insert into salesperson(name, location) values ("sagar", "meerut");
Query OK, 1 row affected (0.03 sec)

mysql> insert into salesperson(name, location) values ("manish", "faridabad");
Query OK, 1 row affected (0.04 sec)

mysql> insert into salesperson(name, location) values ("mansi", "hyderabad");
Query OK, 1 row affected (0.03 sec)

mysql> insert into salesperson(name, location) values ("tamal", "mumbai");
Query OK, 1 row affected (0.04 sec)

mysql> insert into salesperson(name, location) values ("vikram", "kolkata");
Query OK, 1 row affected (0.05 sec)

mysql> insert into customer(name, contact, address) values ("vibhuti", 3434439853,"bhopal");
Query OK, 1 row affected (0.04 sec)

mysql> insert into customer(name, contact, address) values ("neeraj", 7346393434,"jaipur");
Query OK, 1 row affected (0.05 sec)

mysql> insert into customer(name, contact, address) values ("neeraj", 7346393434,"jaipur");
Query OK, 1 row affected (0.05 sec)

mysql> insert into customer(name, contact, address) values ("sargam", 7082443493,"delhi");
Query OK, 1 row affected (0.03 sec)
```

5. Find the sales person have multiple orders.

```
File Edit View Search Terminal Help

mysql> insert into orders(order_carried_by, cust_id) values(2, 3);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders(order_carried_by, cust_id) values(5, 1);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders(order_carried_by, cust_id) values(4, 3);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders(order_carried_by, cust_id) values(1, 2);
Query OK, 1 row affected (0.06 sec)

mysql> insert into orders(order_carried_by, cust_id) values(3, 1);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders(order_carried_by, cust_id) values(3, 2);
Query OK, 1 row affected (0.05 sec)
```

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

```
Terminal
                                                                                                                       File Edit View Search Terminal Help
mysql> select * from ((salesperson s join orders o on s.id = o.order_carried_by) join customer c on c.id = o.cust_id);
 | id | name
                                                                                                  | contact
                                                                                                                 | address |
                                                          1 | 2019-02-06 16:56:06 | 1 | vibhuti | 3434439853 | bhopal
1 | 2019-02-06 16:57:19 | 1 | vibhuti | 3434439853 | bhopal
  5 | vikram | kolkata
               hyderabad i
    | mansi
                                                          2 | 2019-02-06 16:57:07 | 2 | neeraj
2 | 2019-02-06 17:00:33 | 2 | neeraj
                                                                                                     7346393434
               meerut
                                                                                                                   jaipur
  1 | sagar
                                                                                                     7346393434
                                                                                                                   jaipur
delhi
    | mansi
                hyderabad
      manish
                faridabad
                                                               2019-02-06 16:55:49
                                                                                           sargam
                                                                                                     7082443493
                                                                                      3 | sargam
      tamal
               mumbai
                                                               2019-02-06 16:56:17
                                                                                                    7082443493
                                                                                                                   delhi
```

#### 7. Create index

```
Terminal

File Edit View Search Terminal Help

mysql> create index name_index on user(name);

ERROR 1146 (42502): Table 'sales.user' doesn't exist

mysql> create index sales_index on salesperson(name);

Query OK, 0 rows affected (0.27 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

