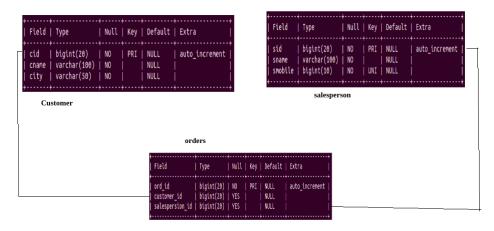
Assignment –3 Introduction to Database

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 customer

1. Create databases

2: Design Schema



3: Create tables

```
mysql> create table orders(
     -> ord_id bigint(20) primary key,
     -> customer_id bigint(20) references customer(cid),
     -> salespersion_id bigint(20) references salesperson(sid));
Query OK, 0 rows affected (0.24 sec)
```

```
mysql> create table customer(
    -> cid bigint(20) primary key,
    -> cname varchar(100) not null,
    -> city varchar(50) not null);
Query OK, 0 rows affected (0.26 sec)
```

mysql> create table salesperson(sid bigint(20) primary key, sname varchar(100) not null, smobile bigint(10) not null unique); Query OK, O rows affected (0.33 sec)

4: Insert Sample data

```
mysql> insert into orders(customer_id,salespersion_id) values (1,1), (2,1), (3,2), (2,3); 
Query OK, 4 rows affected (0.03 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select * from orders;

| ord_id | customer_id | salespersion_id | |
| 1 | 1 | 1 | 1 |
| 2 | 2 | 1 |
| 3 | 3 | 2 |
| 4 | 2 | 3 |

4 rows in set (0.01 sec)
```

Q5: Find the sales person have multiple orders

Q6: Find the all sales person details along with the order details

Q7: Create an index

```
mysql> create index index1 on customer(cid);
Query OK, 0 rows affected (0.26 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

Q8: Show index on a table

```
mysql> show index from customer;

| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
| Customer | 0 | PRIMARY | 1 | cid | A | 3 | NULL | NULL | BTREE | |
| Customer | 1 | index1 | 1 | cid | A | 3 | NULL | NULL | BTREE | |
| Customer | 1 | index1 | 1 | cid | A | 3 | NULL | NULL | BTREE | |
| Customer | 1 | index1 | 1 | cid | A | 3 | NULL | NULL | BTREE | |
```

Q9:Find the order number, sale person name, along with the customer to whom that order belongs to