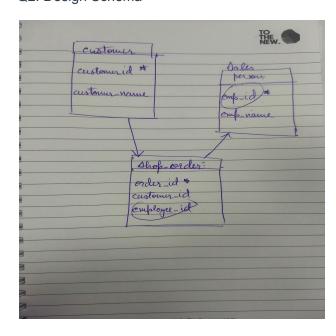
Database:

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

Q1. Create Database

Q2. Design Schema



Q3. Create tables

```
mysql> use market
Database changed
mysql> create table customer (customer_id integer primary key, customer_name varchar(20));
Query OK, 0 rows affected (0.37 sec)
mysql> create table sales_person (employee_id integer primary key, employee_name varchar(20));
Query OK, 0 rows affected (0.32 sec)
mysql> create table shop_order (order_id integer primary key, customer_id integer, employee_id integer, foreign key (customer_id) references customer
(customer_id), foreign key (employee_id) references sales_person (employee_id));
Query OK, 0 rows affected (0.45 sec)
```

```
ysql> describe customer
 Field
                                   | Null | Key | Default | Extra |
 customer_id | int(11) | NO
customer_name | varchar(20) | YES
                                             PRT
                                                  I NULL
rows in set (0.00 sec)
ysql> describe sales_person;
 Field
                                   | Null | Key | Default | Extra |
employee_id | int(11) | NO
employee_name | varchar(20) | YES
                                                  I NULL
rows in set (0.00 sec)
ysql> describe shop_order;
 Field
                           | Null | Key | Default | Extra |
 order_id
               | int(11) | NO
                                             NULL
 customer_id | int(11) | YES
employee_id | int(11) | YES
                                      MUL
 rows in set (0.01 sec)
```

Q4. Insert sample data

```
nysql> insert into shop_order values (1, 45, 546);
Query OK, 1 row affected (0.06 sec)
mysql> insert into shop_order values (2, 56, 989);
Query OK, 1 row affected (0.05 sec)
mysql> insert into shop_order values (3, 56, 596);
Query OK, 1 row affected (0.06 sec)
mysql> insert into shop order values (5, 5656, 989);
Query OK, 1 row affected (0.06 sec)
mysql> insert into shop order values (9, 45, 989);
Ouery OK, 1 row affected (0.06 sec)
mysql> select * from shop_order;
 order_id | customer_id | employee_id |
               45 |
56 |
56 |
        1 |
                                989
                                 596
                  5656
                                 989
                    45
                                  989
5 rows in set (0.00 sec)
```

Q5. Find the sales person have multiple orders.

select sp.* from sales_person sp join shop_order so on sp.employee_id = so.employee_id group by so.employee_id having count(so.employee_id) > 1;

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

Q7. Create index

```
mysql> create index first_ind on shop_order (customer_id);
Query OK, 0 rows affected (0.60 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

Q8. How to show index on a table

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