DB Assignment (By Siddharth Gupta)

Ans 1

create database shopping;
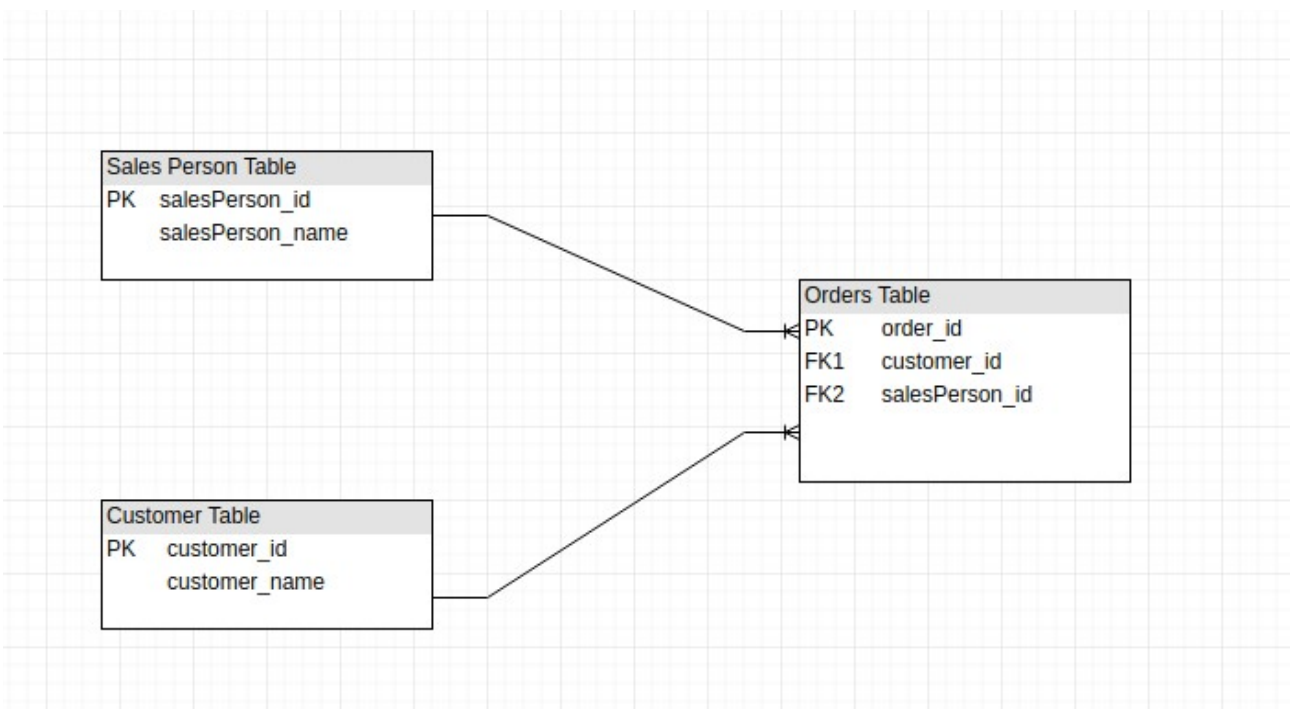

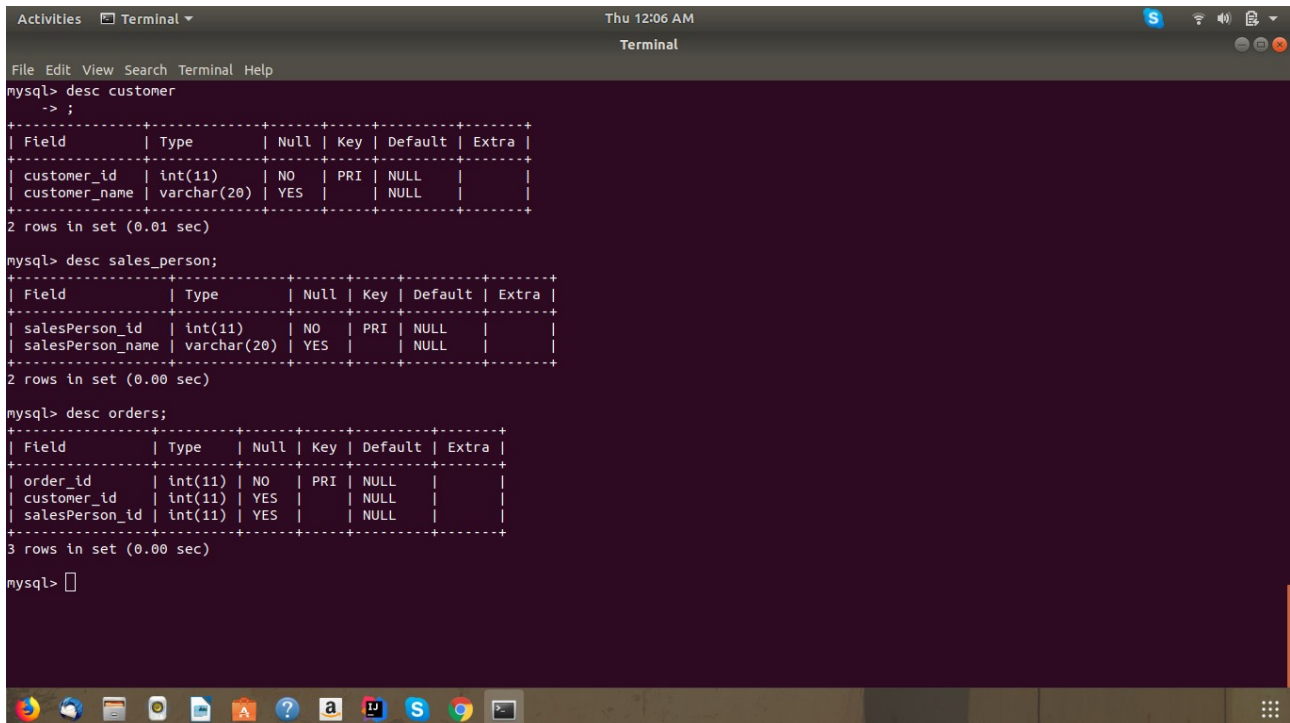**Ans 2**

Ans 3

1.create table customer(customer_id integer primary key, customer_name varchar(20));

2.create table sales_person(salesPerson_id integer primary key, salesPerson_name varchar(20));

3. create table orders(order_id integer primary key, customer_id integer references customer(customer_id),salesPerson_id integer references sales_person(salesPerson_id));

Ans 4

```
insert into customer values(101,'Gaurav');
insert into customer values(102,'Siddharth');
insert into customer values(103,'Mehak');
insert into customer values(104,'Yatin');
insert into customer values(105,'Vishakha');

insert into sales_person values (201,'TechStars');
insert into sales_person values (202,'CloudTail');
insert into sales_person values (203,'NS Traders');
insert into sales_person values (204,'InfoGain');

insert into orders values(301,101,201);
insert into orders values(302,102,202);
insert into orders values(303,103,202);
insert into orders values(304,105,203);
insert into orders values(305,104,203);
insert into orders values(306,102,204);
insert into orders values(307,104,204);
insert into orders values(308,102,204);
insert into orders values(309,104,201);
insert into orders values(310,102,202);
insert into orders values(311,103,202);
insert into orders values(312,104,203);
insert into orders values(313,103,204);
```

Ans 5

select o.salesPerson_id, s.salesPerson_name,count(o.order_id) as Total_Orders from orders o, sales_person s where o.salesPerson_id=s.salesPerson_id group by o.salesPerson_id having count(o.salesPerson_id)>1;

Ans 6

select o.order_id, o.salesPerson_id, s.salesPerson_name from orders o, sales_person s where o.salesPerson_id=s.salesPerson_id;

```
mysql> select o.order_id, o.salesPerson_id, s.salesPerson_name from orders o, sales_person s where o.salesPerson_id=s.salesPerson_id;
+----------+----------------+------------------+
| order_id | salesPerson_id | salesPerson_name |
+----------+----------------+------------------+
|      301 |            201 | TechStars        |
|      302 |            202 | CloudTail        |
|      303 |            202 | CloudTail        |
|      304 |            203 | NS Traders       |
|      305 |            203 | NS Traders       |
|      306 |            204 | InfoGain         |
|      307 |            204 | InfoGain         |
|      308 |            204 | InfoGain         |
|      309 |            201 | TechStars        |
|      310 |            202 | CloudTail        |
|      311 |            202 | CloudTail        |
|      312 |            203 | NS Traders       |
|      313 |            204 | InfoGain         |
+----------+----------------+------------------+
13 rows in set (0.00 sec)

mysql>
```

Ans 7

create index sales_record on orders(salesPerson_id);

```
mysql> create index sales_record on orders(salesPerson_id);
Query OK, 0 rows affected (0.42 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql>
```

Ans 8

show index from orders;

Ans 9

select o.order_id,s.salesPerson_name,c.customer_name from orders o, sales_person s, customer c where o.salesPerson_id=s.salesPerson_id and o.customer_id=c.customer_id;