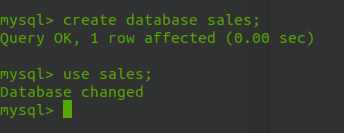
**Introduction to database**

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

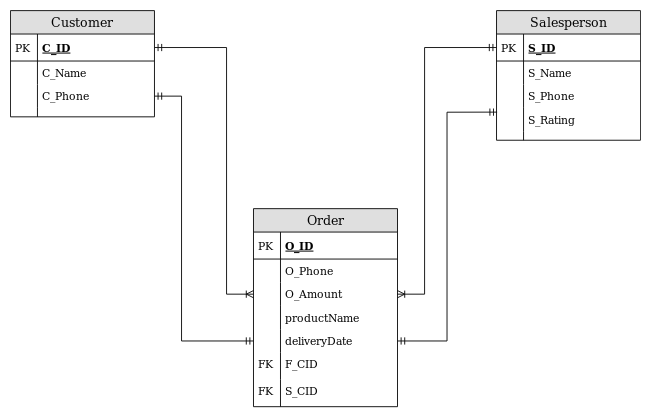
Ques 1:-Create Database

Ans 1:-



Ques 2:-Design Schema

Ans 2:-



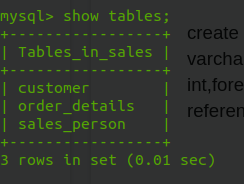
Ques 3:-Create tables

Ans 3:-

create table customer(c\_id int primary key, c\_name varchar(160),c\_phone bigint(10));

create table sales\_person(s\_id int primary key,s\_name varchar(160),S\_phone bigint(10));

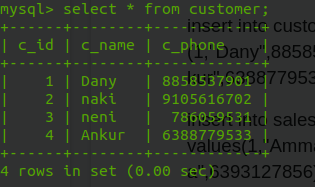
create table order\_details(o\_id int primary key,product\_name varchar(160),o\_amount float(7),delivery\_date datetime,f\_cid int,f\_sid int,foreign key(f\_cid) references customer(c\_id),foreign key(f\_sid) references sales\_person(s\_id));



Ques 4:-Insert sample data

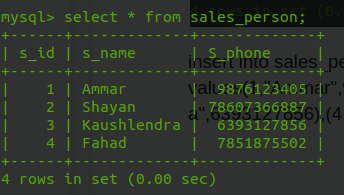
Ans 4:-

insert into customer values (1,"Dany",8858537901),(2,"naki",9105616702),(3,"neni",786059531),(4,"Ankur",6388779533);



insert into sales\_person values(1,"Ammar",9876123405),(2,"Shayan",78607366887),(3,"Kaushlendra",6393127856),(4,"Fahad",7851875502);

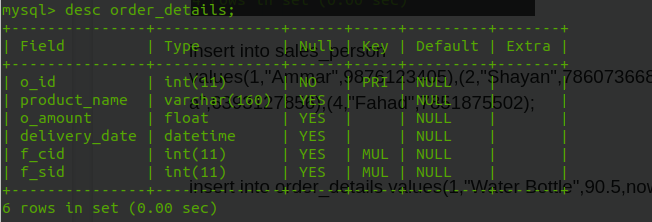
insert into sales\_person values(1,"Ammar",9876123405),(2,"Shayan",78607366887),(3,"Kaushlendra",6393127856),(4,"Fahad",7851875502);



insert into order\_details values(1,"Water Bottle",90.5,now(),1,3);

insert into order\_details values(2,"Shoes",5590.57,now(),2,4),(3,"Dress",350,now(),1,3);

insert into order\_details values(5,"Mink Blanket",8590.57,now(),1,1),(6,"Laptop",23500.00,now(),3,4),(7,"Lock",100.10,now(),4,3);



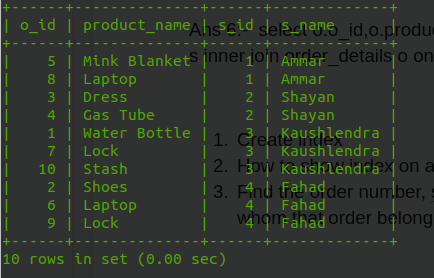
Ques 5:-Find the sales person have multiple orders.

Ans 5:- select s.s\_id,s.s\_name from sales\_person s inner join order\_details o on s.s\_id=o.f\_sid group by s\_id having count(\*)>1;



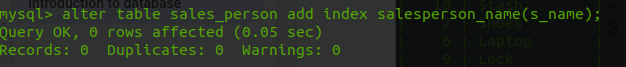
Ques 6:-Find the all sales person details along with order details

Ans 6:- select o.o\_id,o.product\_name,s.s\_id,s.s\_name from sales\_person s inner join order\_details o on s.s\_id=o.f\_sid;



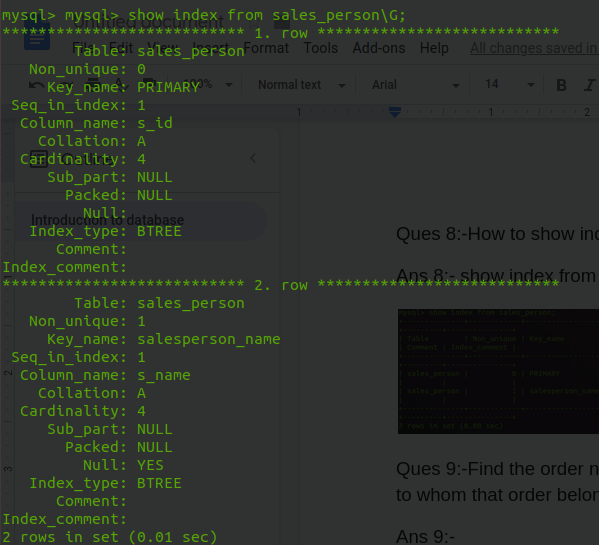
Ques 7:-Create index

Ans 7:- alter table sales\_person add index salesperson\_name(s\_name);



Ques 8:-How to show index on a table

Ans 8:- show index from sales\_person\G;



Ques 9:-Find the order number, sale person name, along with the customer to whom that order belongs to

Ans 9:- select o.o\_id,s.s\_name,c.c\_name from sales\_person s inner join order\_details o on s.s\_id=o.f\_sid inner join customer c on o.f\_cid=c.c\_id;

