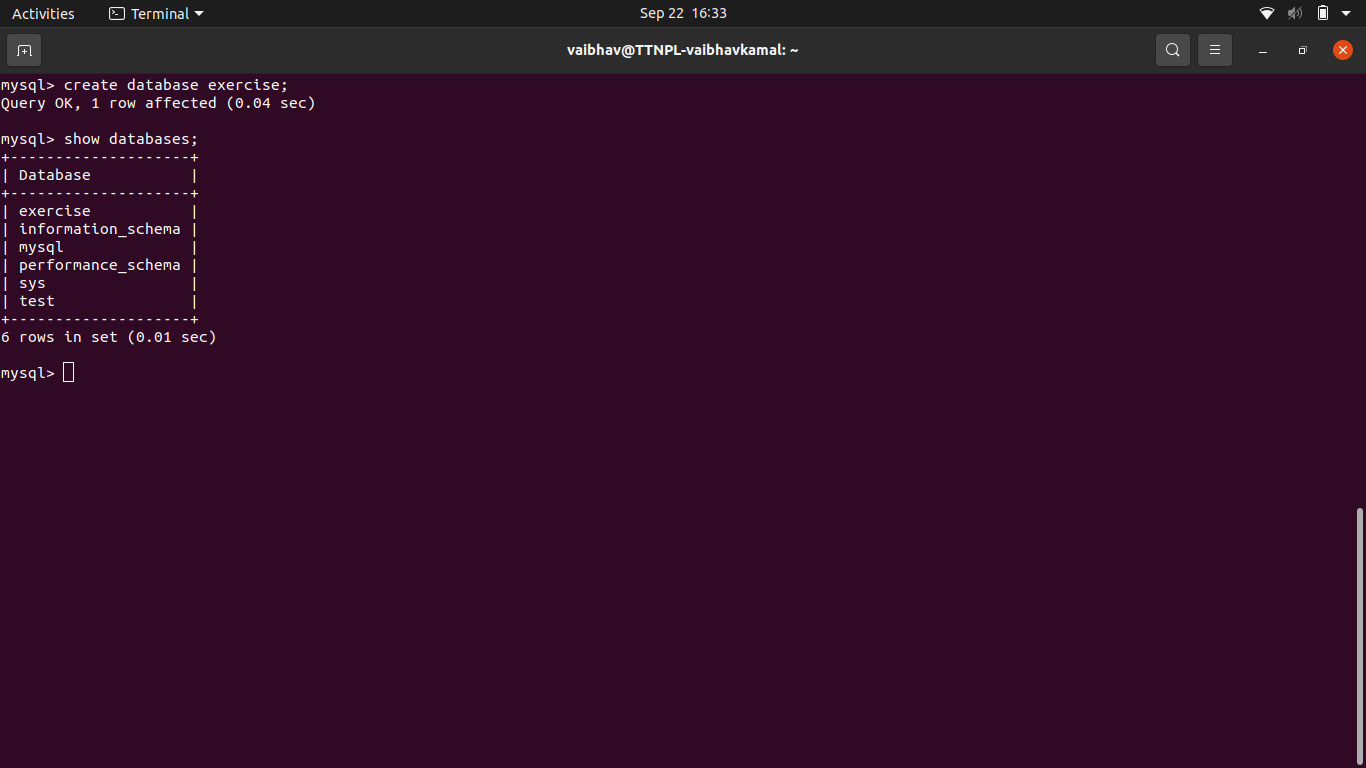
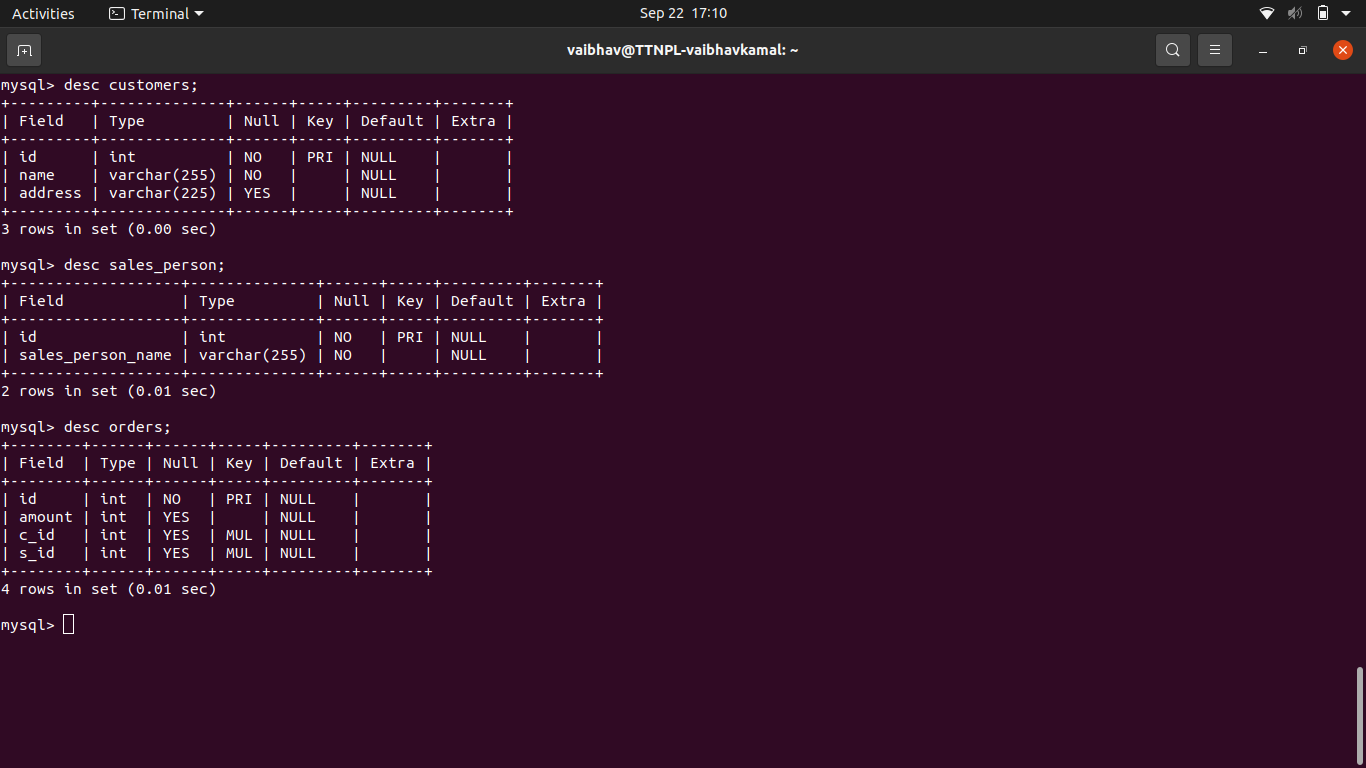
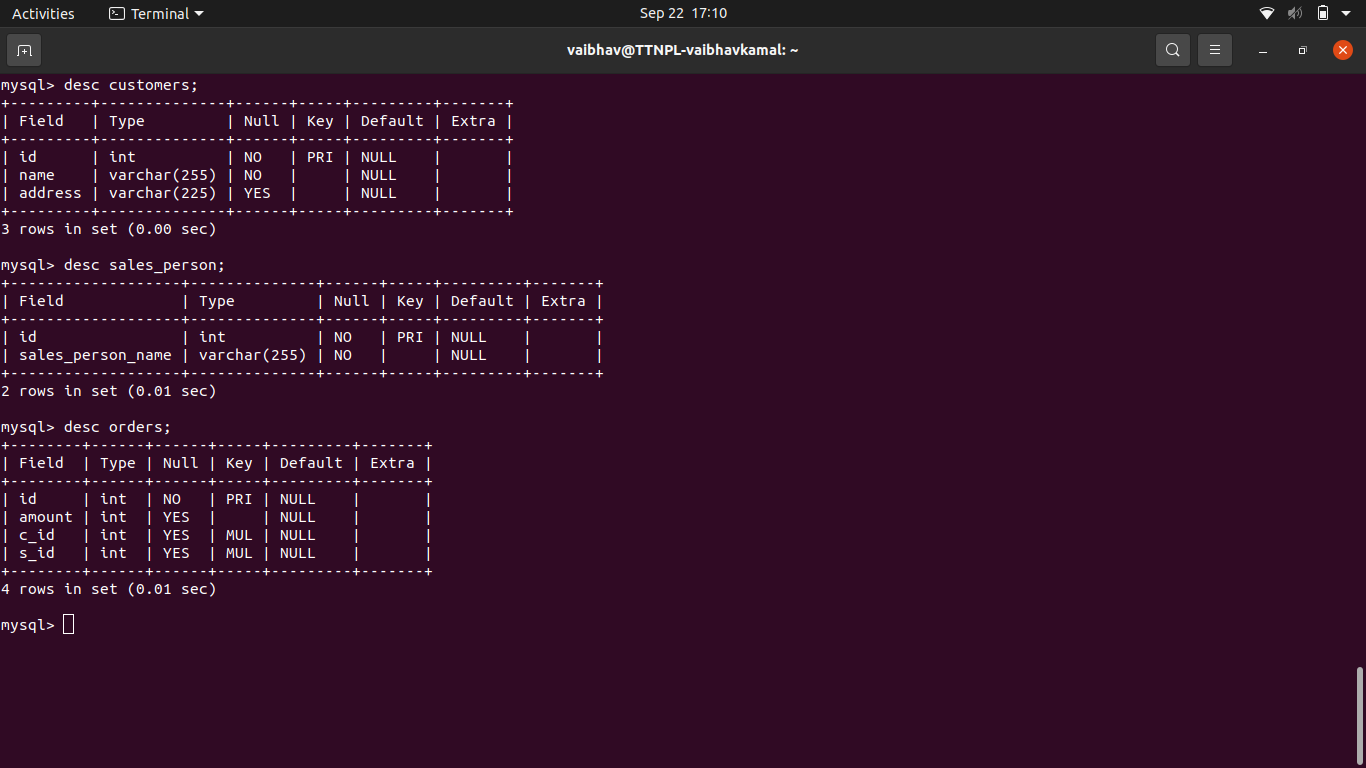
**Database Exercise**

1. **Create Database**
   1. create database exercise;
   2. 
2. **Design Schema** 
   1. 
3. **Create tables** 
   1. Customer = create table customers (id int not null primary key,name varchar(255) not null, address varchar(225));
   2. Sale table = create table sales\_person (id int not null primary key,sales\_person\_name varchar(255) not null)
   3. Orders Table = create table orders(id int primary key,amount int,c\_id int,s\_id int, constraint fk\_customer foreign key(c\_id) references customers(id), constraint foreign key(s\_id) references sales\_person(id));
   4. 
4. **Insert sample data** 
   1. **Insert into sale\_person values**

**(1,’ram’),**

**(2,’kumari’),**

**(3,’seta’),**

**(4,’vikash’),**

**(5,’gopi’),**

**(6,’geta’);**

* 1. **Insert into customer values**

**(1,’vaibhav’,’kanpur’),**

**(2,’kamal’,’kanpur’),**

**(3,’ramtari’,’mp’),**

**(4,’naveen’,’gaya’),**

**(5,’nitin’,’kanpur’),**

**(6,’kumar’,’kanpur’),**

**(7,’mohit’,’dehli’);**

* 1. **Insert into orders values**

**(101,2523,1,3),**

**(102,505,2,4),**

**(103,500,3,1),**

**(104,670,3,2),**

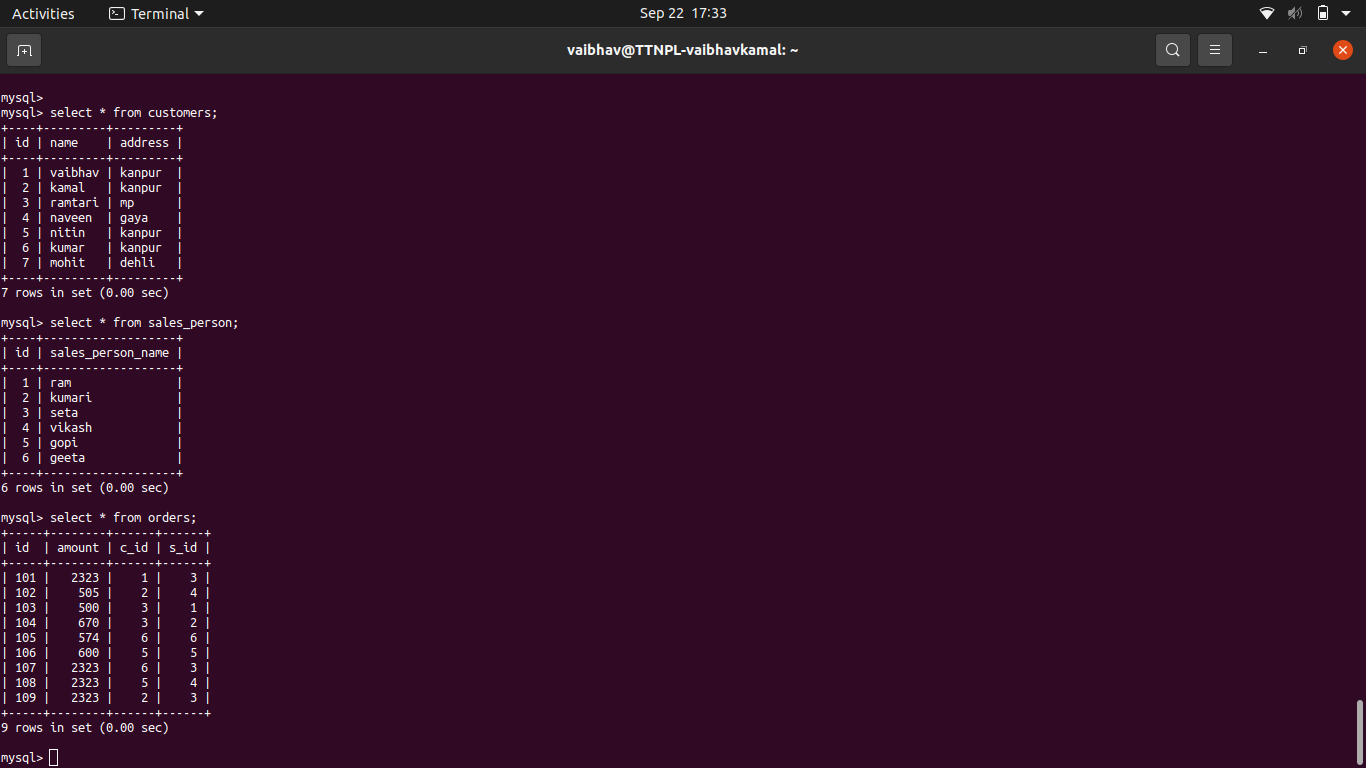
**(105,574,6,6),**

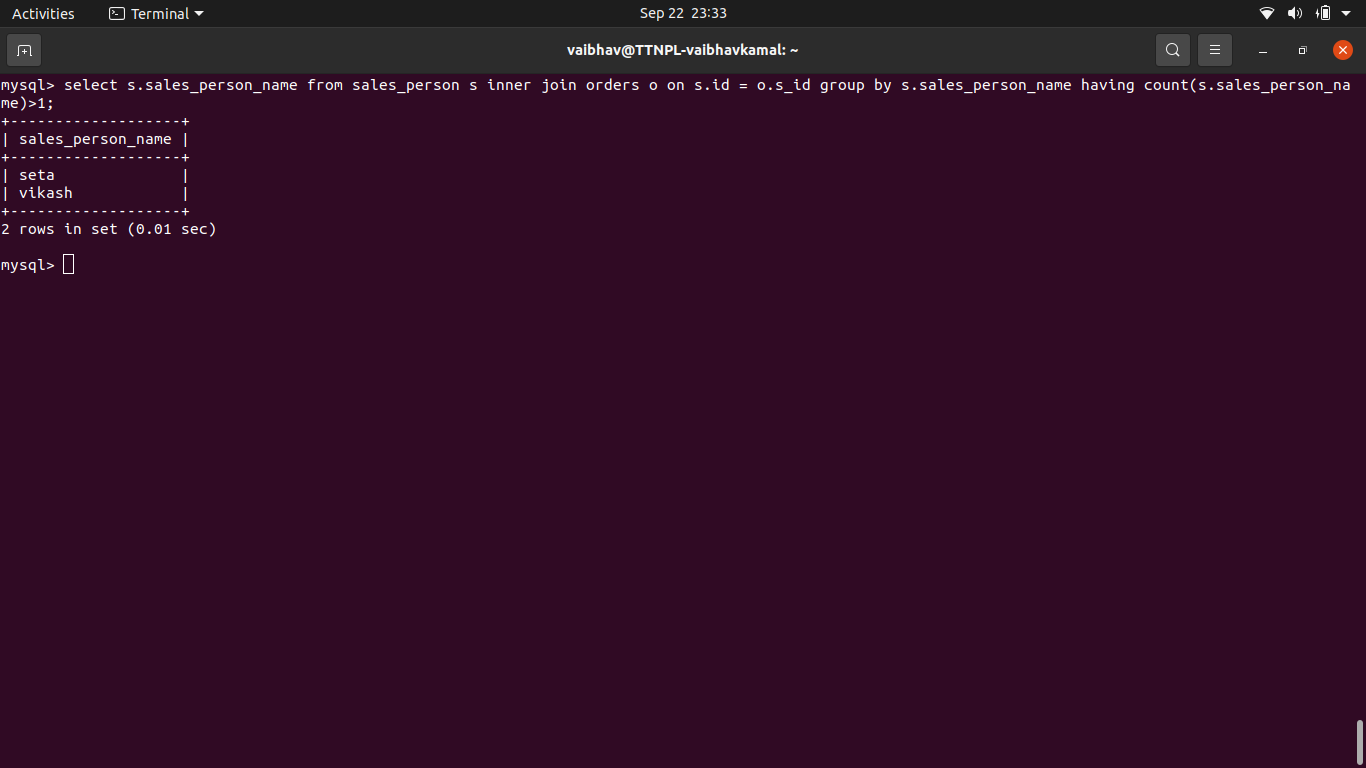
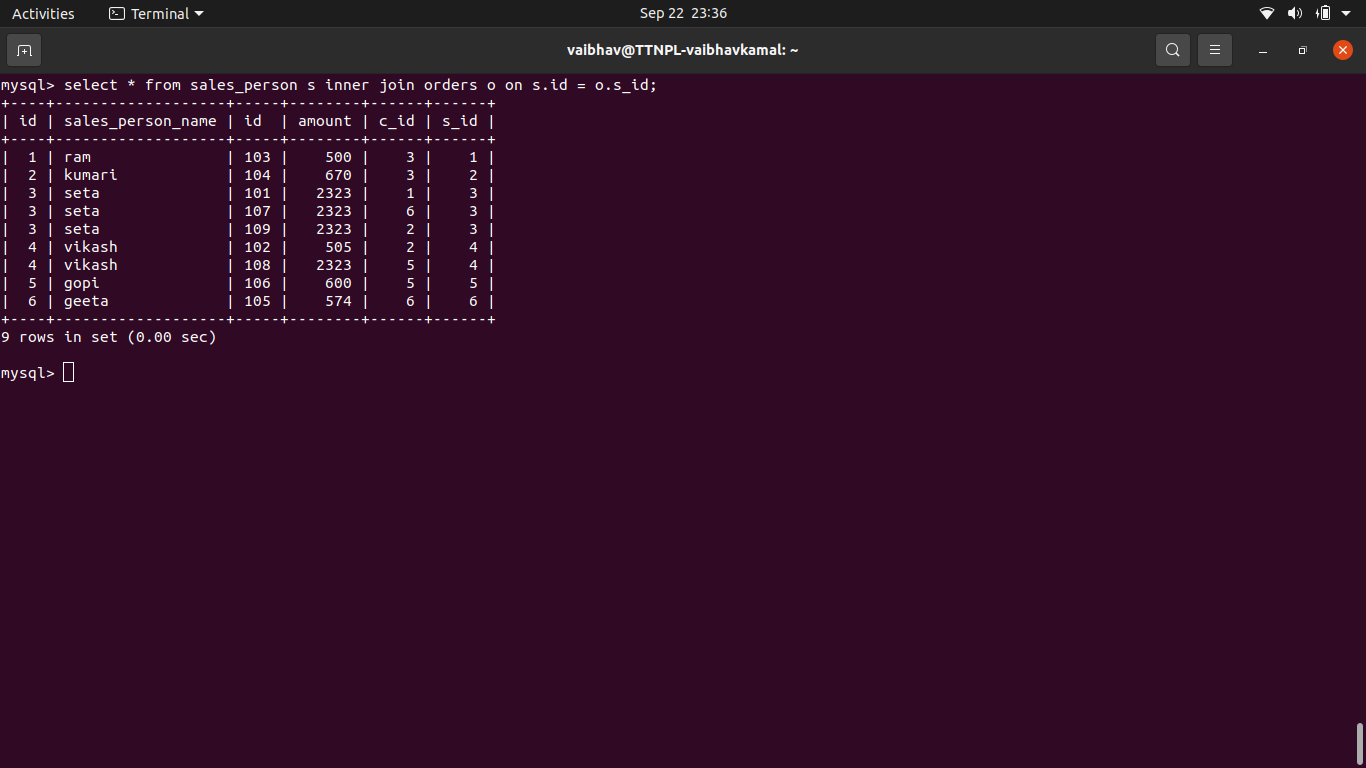
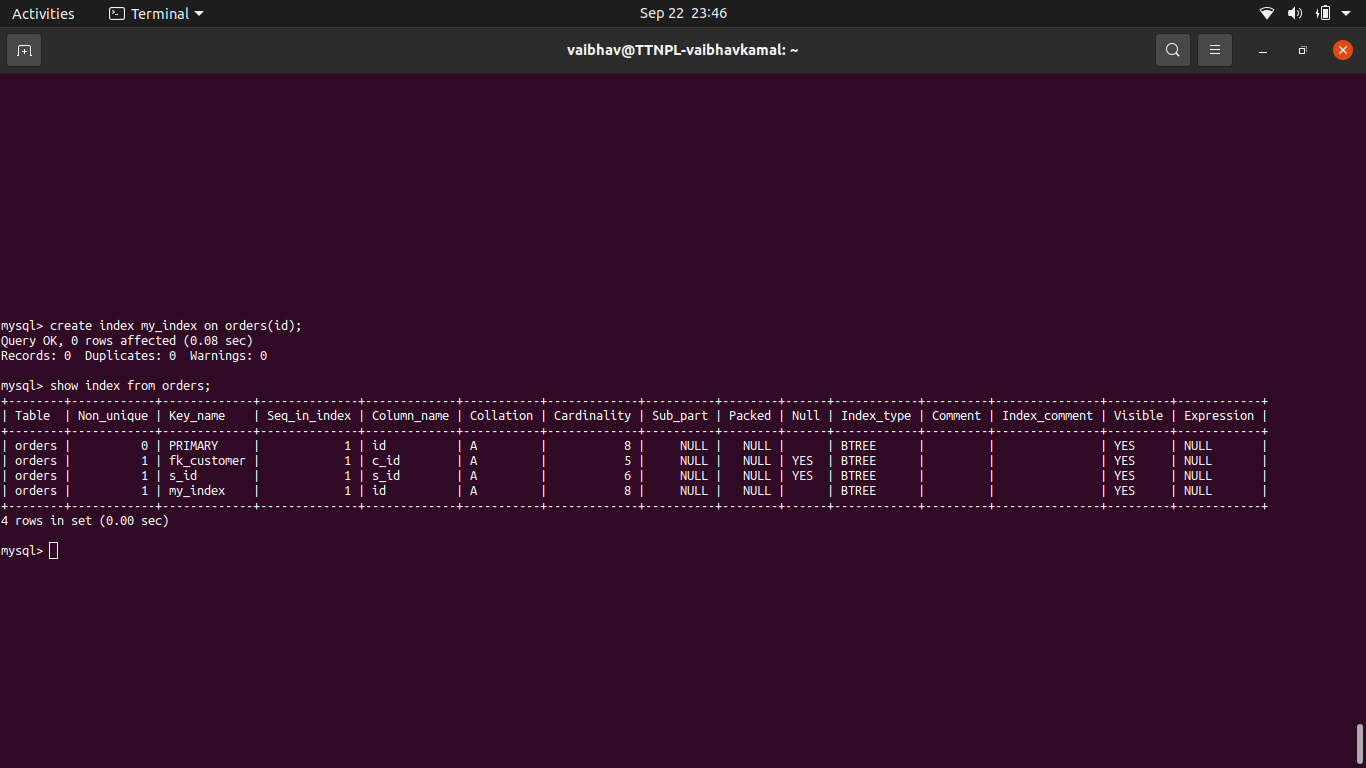
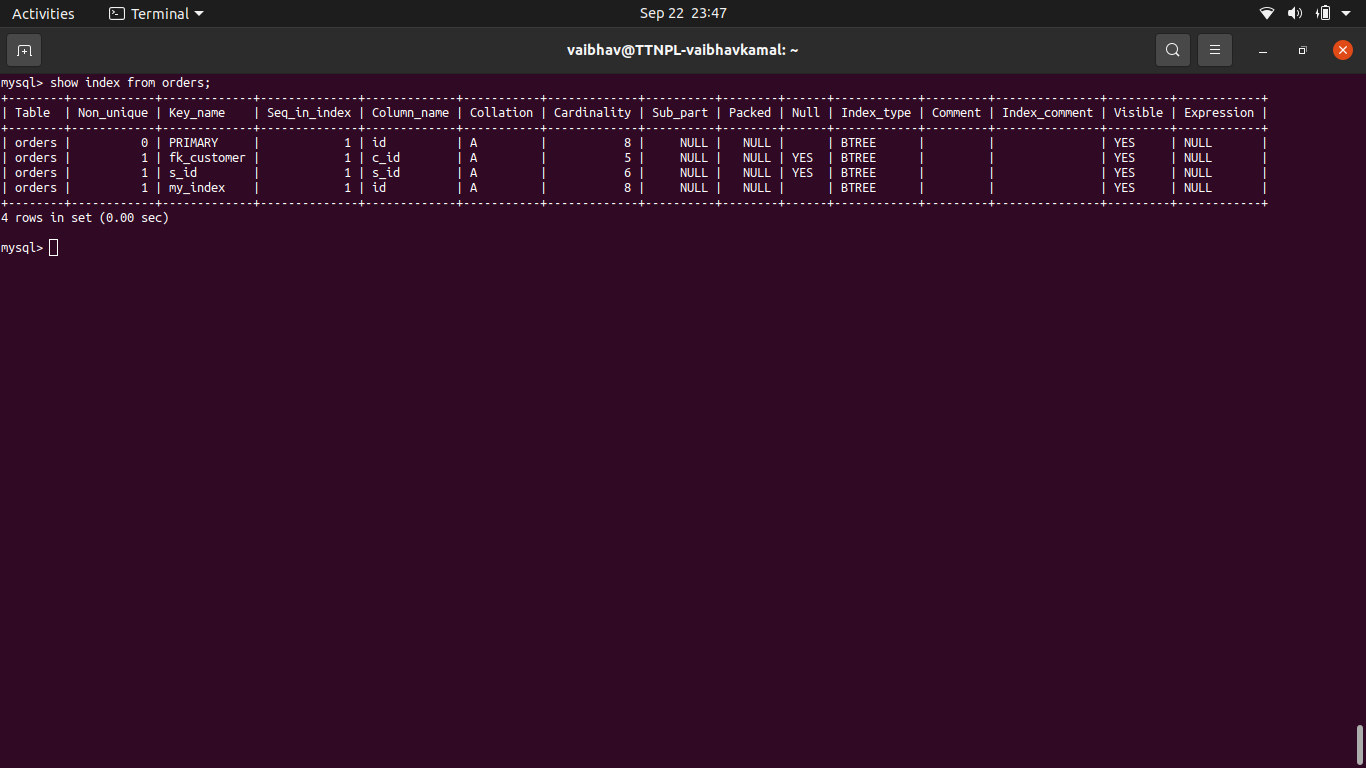
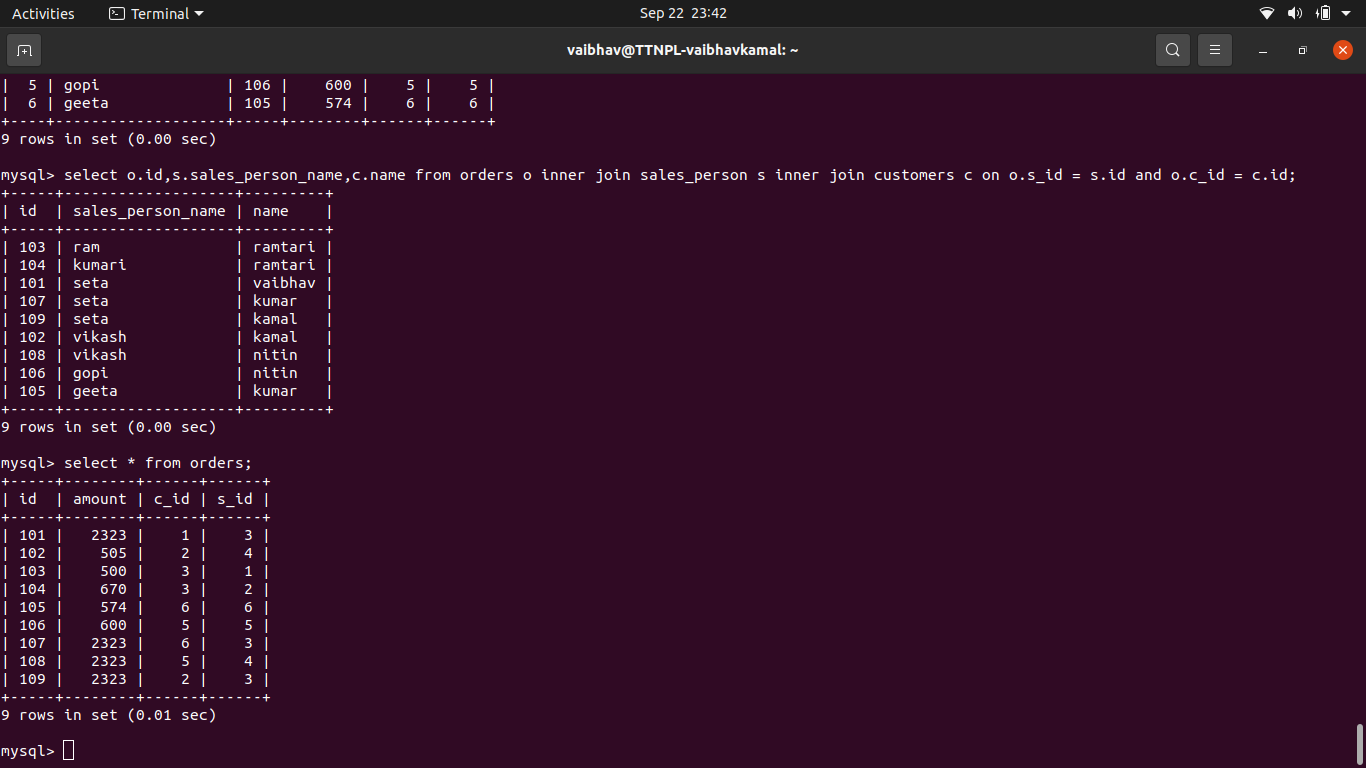
**(106,600,5,5),**

**(107,2523,6,3),**

**(108,2523,5,4),**

**(109,2323,2,3);**

* 1. ****

1. **Find the sales person have multiple orders.** 
   1. select s.sales\_person\_name from sales\_person s inner join orders o on s.id = o.s\_id group by s.sales\_person\_name having count(s.sales\_person\_name)>1;
   2. ****
2. **Find the all sales person details along with order details**
   1. **select \* from sales\_person s inner join orders o on s.id = o.s\_id;**
   2. ****
3. **Create index**
   1. create index my\_index on orders(id);
   2. ****
4. **How to show index on a table**
   1. show index from orders;
   2. ****
5. **Find the order number, sale person name, along with the customer to whom that order belongs to**
   1. select o.id,s.sales\_person\_name,c.name from orders o inner join sales\_person s inner join customers c on o.s\_id = s.id and o.c\_id = c.id;
   2. ****