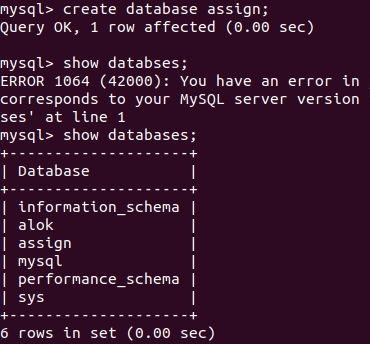
Problem Statement: There can be multiple customers, who can place multiple orders on the site. Now a sales person can handle these orders will distribute into multiple sales persons (One order will be assign to one salesperson only). So a sales person can have multiple orders of multiple customers

1. Create Database

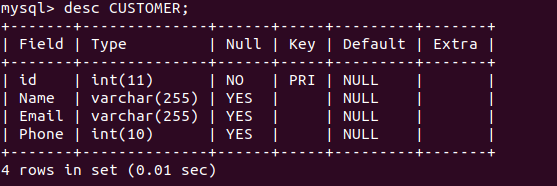
**create database assign;**

**show databases;**

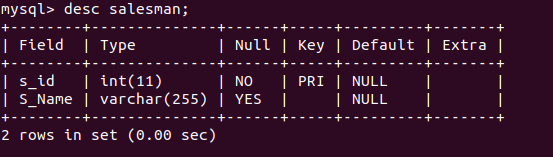


1. Design Schema

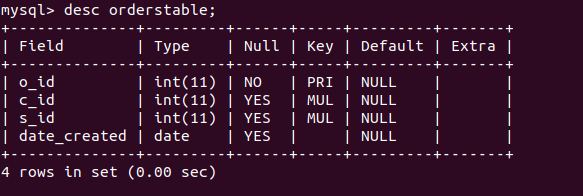
**desc CUSTOMER;**



**desc salesman;**

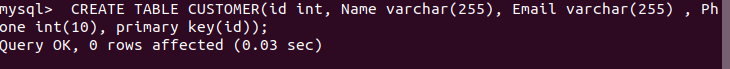


**desc orderstable;**



1. Create tables

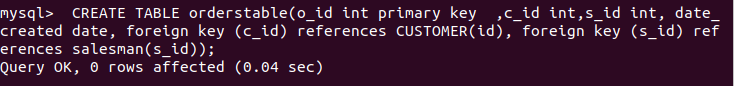
**CREATE TABLE CUSTOMER(id int, Name varchar(255), Email varchar(255) , Phone int(10), primary key(id));**



**CREATE TABLE salesman(s\_id int primary key, S\_Name varchar(255));**



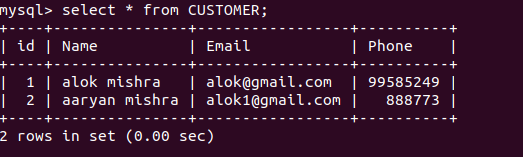
**CREATE TABLE orderstable(o\_id int primary key ,c\_id int,s\_id int, date\_created date, foreign key (c\_id) references CUSTOMER(id), foreign key (s\_id) references salesman(s\_id));**



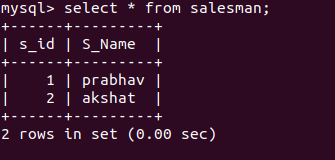
1. Insert sample data

**INSERT INTO CUSTOMER values (1, 'alok mishra' ,'alok@gmail.com', 99585249);**

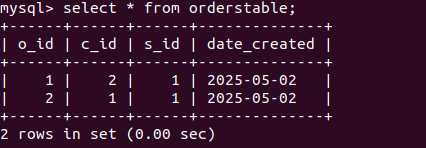




**INSERT INTO salesman values(1,’prabhav’);**

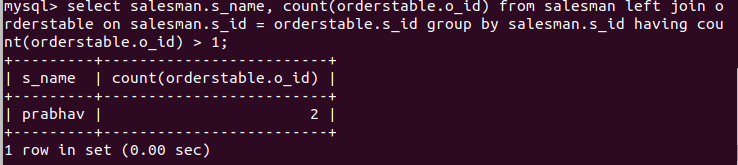


**INSERT INTO orderstable values (2, 1 ,1, '2025-05-02');**



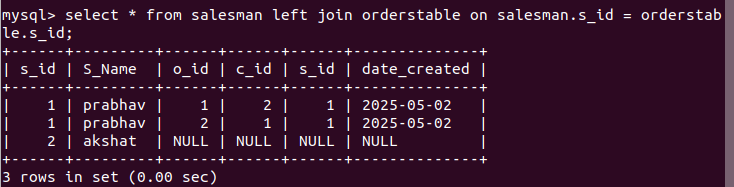
1. Find the sales person have multiple orders.

**select salesman.s\_name, count(orderstable.o\_id) from salesman left join orderstable on salesman.s\_id = orderstable.s\_id group by salesman.s\_id having count(orderstable.o\_id) > 1;**



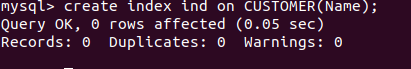
1. Find the all sales person details along with order details

**select \* from salesman left join orderstable on salesman.s\_id = orderstable.s\_id;**



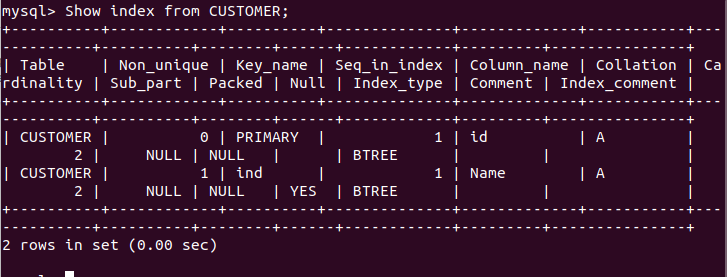
1. Create index

**create index ind on CUSTOMER(Name);**



1. How to show index on a table

**Show index from CUSTOMER;**



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

**Select orderstable.o\_id,salesman.S\_Name,CUSTOMER.Name,CUSTOMER.Email, CUSTOMER.Phone from orderstable left join salesman on salesman.s\_id = orderstable.s\_id left join CUSTOMER on CUSTOMER.id=orderstable.c\_id;**

