ASSIGNMENT 3 (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 assigned to one salesperson only). So a sales person can have multiple orders of multiple customers

1. Create Database

Answer: create database db;

show databases;

```
mysql> create database db;
Query OK, 1 row affected (0.00 sec)

mysql> use db;
Database changed
mysql> show databases;

l Database |
l information_schema |
l db |
mysql |
performance_schema |
sys |

5 rows in set (0.01 sec)

mysql> |
```

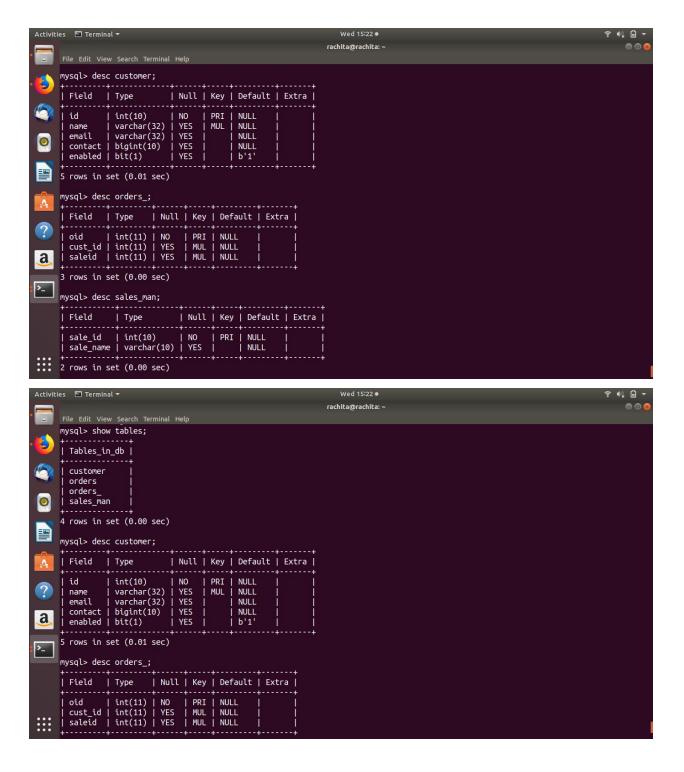
2. Design Schema

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Answer: show tables:

desc customer;

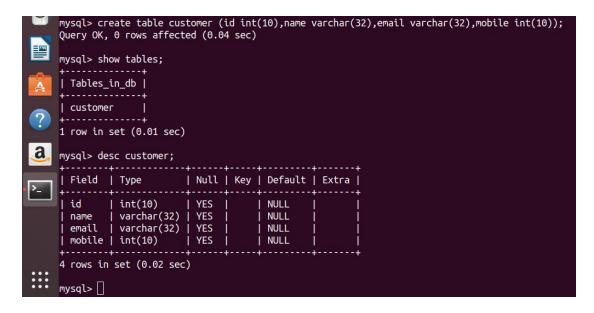
desc orders_;

desc sales man;
```



3. Create tables

Answer: create table customer (id int(10),name varchar(32),email varchar(32),mobile int(10));



4. Insert sample data

Answer: insert into customer values(002, 'austin', 'austin@sql.com', 8285749919);

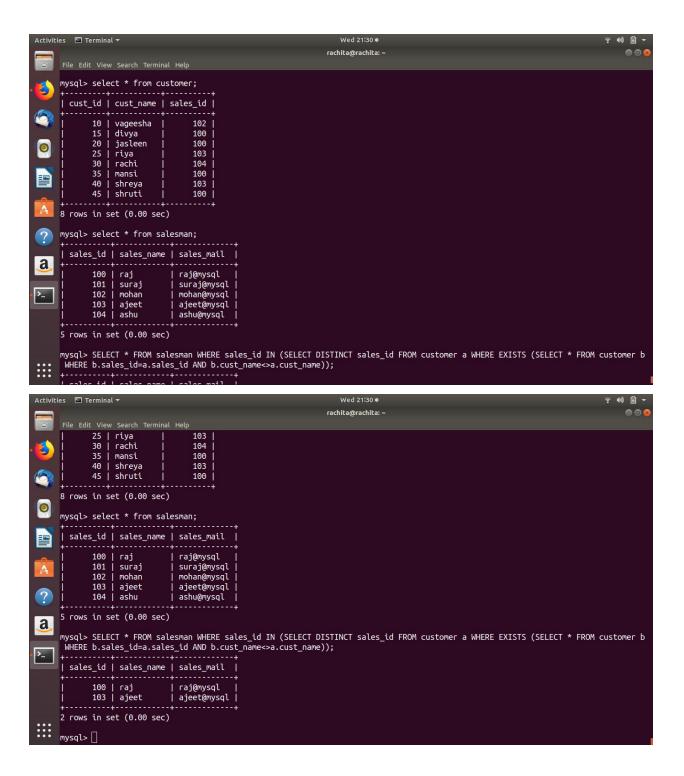


5. Find the sales person have multiple orders.

Answer: select* from customer;

select * from salesman;

SELECT * FROM salesman WHERE sale_id IN (SELECT DISTINCT sale_id FROM customer a WHERE EXISTS (SELECT * FROM customer b WHERE b.sale_id=a.sale_id AND b.cust_name<>a.cust_name));

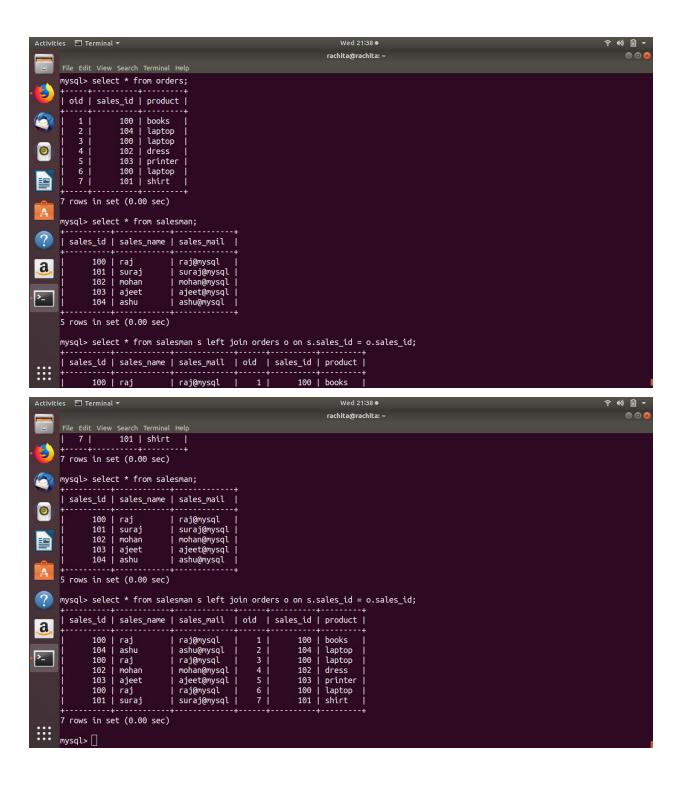


6. Find the all sales person details along with order details

Answer: select * from orders;

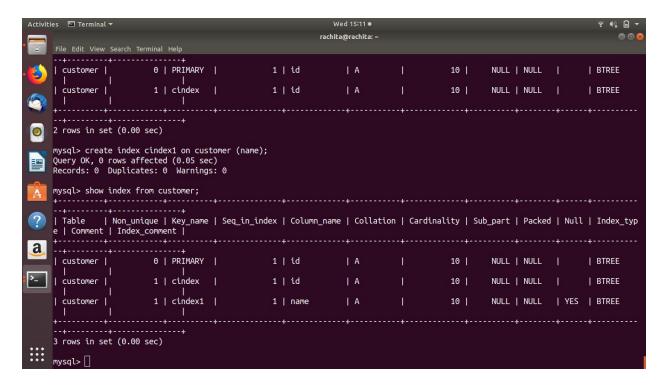
select * from salesman;

select * from salesman s left join orders o on s.sale_id = o.salesman_id;



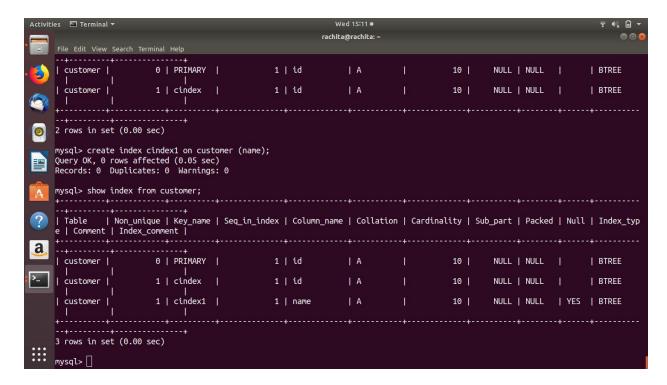
7. Create index

Answer: create index cindex1 on customer(name);



8. How to show index on a table

Answer: show index from customer;



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

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Answer: select * from customer;
select * from orders;
select * from salesman;
select oid,sales_name,cust_name from orders o inner join salesman s on
o.sales_id=s.sales_id inner join customer c on c.sales_id=s.sales_id;
```

```
Terminal
File Edit View Search Terminal Help
mysql> select * from orders;
| oid | sales_id | product |
   1 | 100 | books
2 | 104 | laptop
3 | 100 | laptop
4 | 102 | dress
    5 |
            103 | printer |
    6 | 100 | laptop
7 | 101 | shirt
7 rows in set (0.00 sec)
mysql> select * from customer;
| cust_id | cust_name | sales_id |
       10 | vageesha | 102 |
       15 | divya
                               100
       20 | jasleen
                               100
       25 | riya
                               103
        30 | rachi
                                 104
        35 | mansi
                                 100
```

