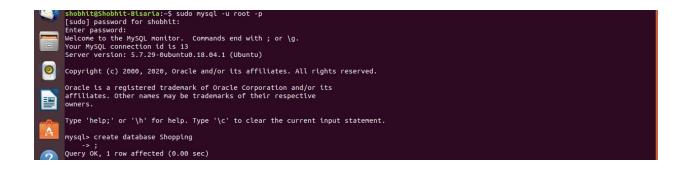
1. create database Shopping;



2. desc Customer;



desc Salesperson;



desc Product;



desc Order_Product;



desc Orders;

Ц	Field	Туре	Null		Default	Extra
	id	int(10)	NO	PRI	NULL	auto_increment
	date_created	datetime	YES		NULL	j - i
	cust_id	int(10)	YES	MUL	NULL	i i
	salesp_id	int(10)	YES	MUL	NULL	i i
	total_price	decimal(5,2)	YES		NULL	1

3. create table Customer(id int(10) auto_increment primary key, name varchar(40), email varchar(40), mobile bigint(15));

create table Product(id int(10)auto_increment primary key, name varchar(40));

create table Salesperson(id int(10)auto_increment primary key, name varchar(40), price decimal(5,2));

create table Order_Product(id int(10)auto_increment primary key, prod_id int(10), qty int(10), foreign key (prod_id)references Product(id));

create table Orders(id int(10)auto_increment primary key, date_created datetime, cust_id int(10),salesp_id int(10), total_price decimal(5,2), foreign key (cust_id)references Customer(id),foreign key (salesp_id)references Salesperson(id));

show tables;



insert into Customer values(101, "sho","sho@gmail.com",983123456);



insert into Salesperson values(1,"a");

```
mysql> select * from Product;

| id | name | price |
| 1 | abc | 50.00 |
| 2 | pqr | 100.00 |
| 3 | xyz | 200.00 |
| 4 | mno | 150.00 |
```

insert into Product values(1,"abc",50.00);

insert into Order_Product values(1,1,5);

```
mysql> select * from Order_Product;

| id | prod_id | qty |
| 1 | 1 | 5 |
| 2 | 2 | 4 |
| 3 | 4 | 4 |
| 4 | 3 | 4 |

4 rows in set (0.00 sec)
```

insert into Orders values(1,now(),101,1,200.00);

```
mysql> select * from Orders;
      | id | date_created
                            | cust_id | salesp_id | total_price |
       1 | 2020-02-05 17:17:11 |
                                                           200.00 |
        2 | 2020-02-05 17:17:29 |
                                     102
                                                           300.00
        3 | 2020-02-05 17:17:45 |
                                     101
                                                           300.00
        4 | 2020-02-05 17:17:58 |
                                     103
                                                           500.00
        5 | 2020-02-05 17:18:54 |
                                     101
                                                           650.00 I
••• 5 rows in set (0.00 sec)
```

5. select count(*),s.name from Salesperson s inner join Orders o on s.id=o.salesp_id group by s.id having count(*)>1;

```
mysql> select count(*),s.name from Salesperson s inner join Orders o on s.id=o.salesp_id group by s.id having count(*)>1;

| count(*) | name |
| 2 | a |
| 2 | c |
| 2 rows in set (0.01 sec)

mysql> [
```

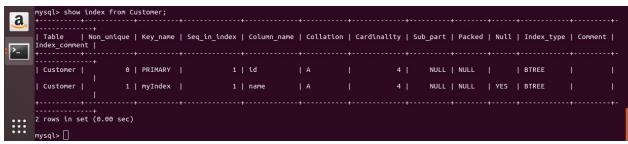
6. select s.*,o.* from Salesperson s inner join Orders o on s.id=o.salesp_id;

```
nysql> select s.*,o.* from Salesperson s inner join Orders o on s.id=o.salesp_id;
| id | name | id | date_created
                                       | cust id | salesp id | total price |
              1 | 2020-02-05 17:17:11 |
                                             101 |
                                                                    200.00
  1 | a
  1 | a
2 | b
              2 | 2020-02-05 17:17:29 |
                                                          1 | 2 |
                                                                    300.00
                                             102 |
              3 | 2020-02-05 17:17:45 |
                                             101 |
                                                                    300.00
              4 | 2020-02-05 17:17:58 |
                                             103 |
                                                                    500.00
            | 5 | 2020-02-05 17:18:54 |
                                             101 |
                                                                    650.00
5 rows in set (0.00 sec)
```

7. create index myIndex on Customer(name);

```
mysql> create index myIndex on Customer(name);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8. show index from Customer;



9. select c.name customer_name,s.name salesperson_id,o.id order_id from Customer c inner join Orders o on c.id=o.cust_id inner join Salesperson s on s.id=o.salesp_id;

