Q.1 Create Database

Ans. create database shopping;

```
bharate8harat:-$ sudo mysql
[sudo] password for bharat:
whichcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 4
Server version: 5.7.29-oubuntuo.18.04.1 (Ubuntu)

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

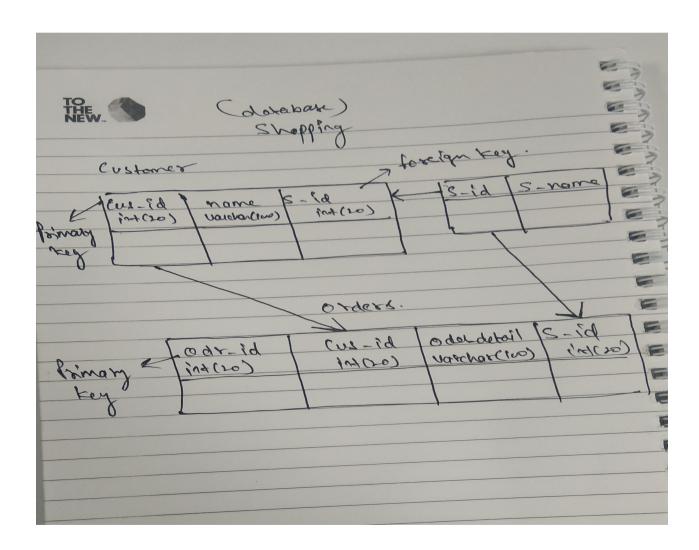
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database shopping
->;
Query OK, 1 row affected (0.00 sec)

mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'database' at line 1
mysql> use shopping;
Database changed
mysql> ||
```

Q.2 Design Schema

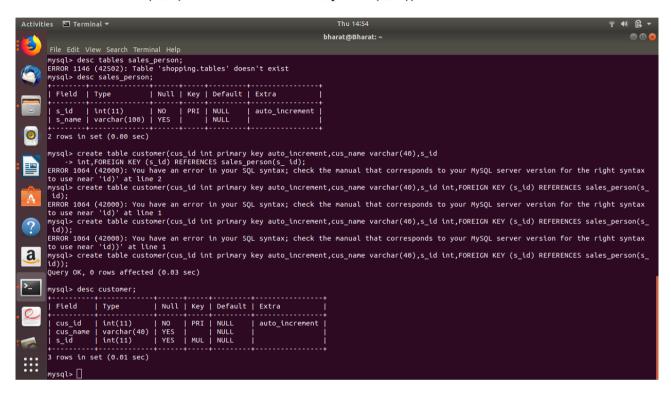


Q.3 Create tables //for creating sales-person table

create table sales_person(s_id int primary key auto_increment,s_name varchar(100));

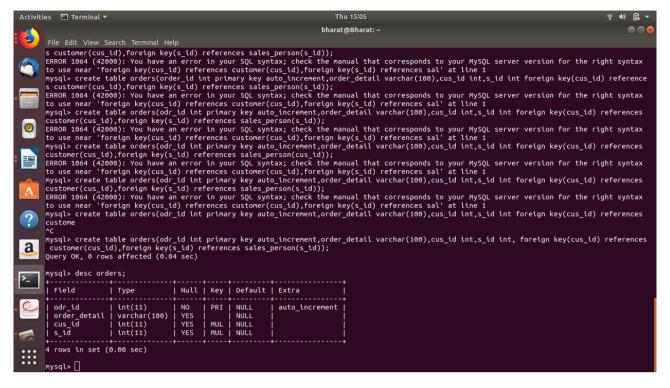
//for creating customer table

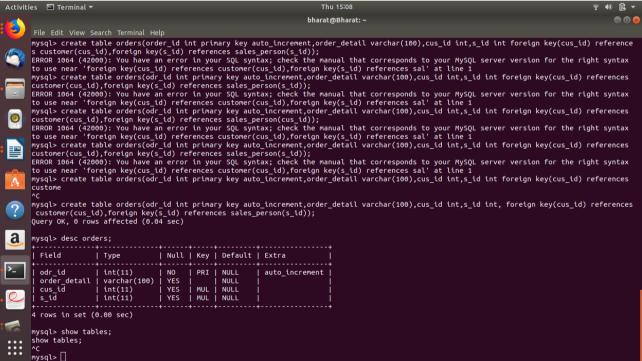
mysql> create table customer(cus_id int primary key auto_increment,cus_name varchar(40),s_id int,FOREIGN KEY (s_id) REFERENCES sales_person(s_id));



//for creating order table

create table orders(odr_id int primary key auto_increment,order_detail varchar(100),cus_id int,s_id int, foreign key(cus_id) references customer(cus_id),foreign key(s_id) references sales_person(s_id));

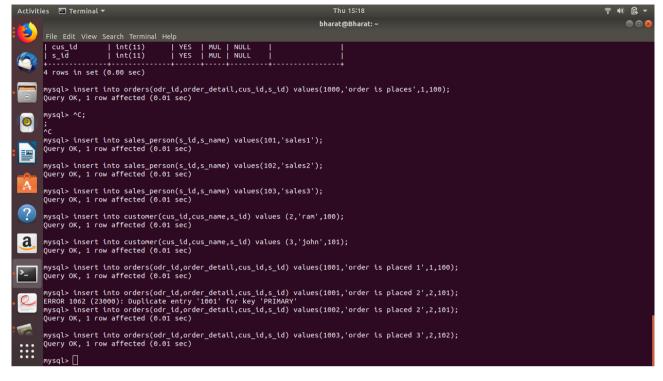




Q.4 Insert sample data

Ans.

```
mysql> insert into sales_person(s_id,s_name) values(100,'sales'); insert into customer(cus_id,cus_name,s_id) values (1,'abc',100); insert into orders(odr_id,order_detail,cus_id,s_id) values(1000,'order is places',1,100);
```





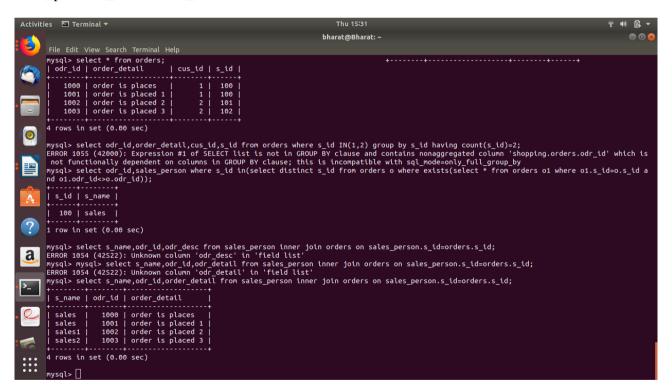
Q.5 Find the sales person have multiple orders.

Ans. Select * from sales_person where s_id in(select distinct s_id from orders o where



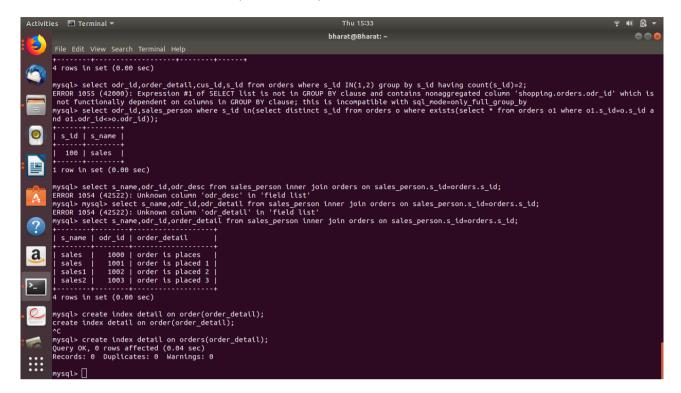
Q.6 Find the all sales person details along with order details

Ans select s_name,odr_id,order_detail from sales_person inner join orders on sales_person.s_id=orders.s_id;

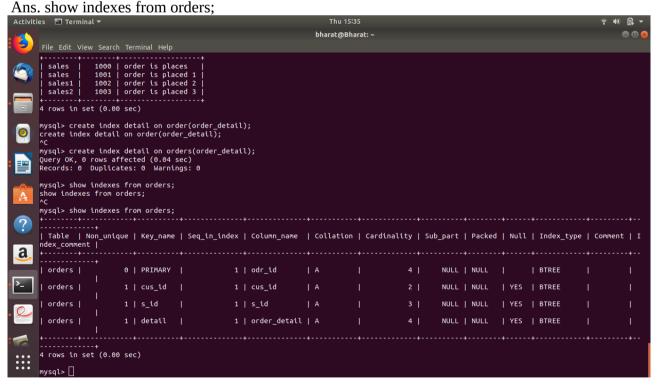


Q.7 Create index

Ans. create index detail on orders(order_detail);



Q.8 How to show index on a table



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

Ans. select c.cus_id,c.cus_name,s.s_id,odr_id,s_name from customer c inner join sales_person s on c.s_id=s.s_id inner join orders o on o.s_id=s.s_id;

