DATABASE ASSIGNMENT

NAMRATA SINGH

GROUP 5

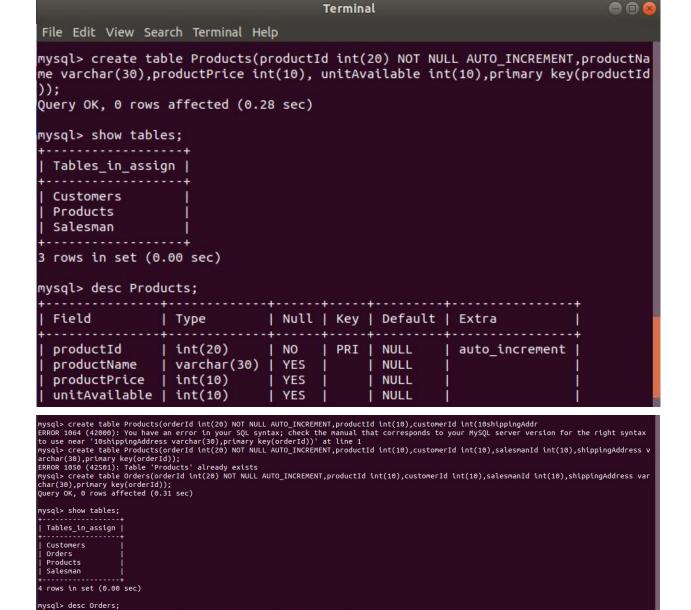
1. Create Database

2. Design Schema

https://drive.google.com/drive/my-drive

3. Create tables

```
Terminal
                                                                        File Edit View Search Terminal Help
mysql> create table Customers(customerId int(20) NOT NULL AUTO_INCREMENT, custom
erName varchar(3),customerAddress varchar(30),customerPostalCode varchar(10), cu
stomerPhone int(10), primary key(customerId));
Ouery OK, 0 rows affected (0.39 sec)
mysql> show tables;
 Tables_in_assign |
Customers
1 row in set (0.00 sec)
mysql> desc customers;
ERROR 1146 (42S02): Table 'assign.customers' doesn't exist
mysql> desc Customers:
| Field
             | Type | Null | Key | Default | Extra
| customerId | int(20)
| customerName | varchar(3)
                                 | NO | PRI | NULL | auto_increment |
NULL
                                              NULL
| customerPostalCode | varchar(10) | YES
                                              NULL
| customerPhone | int(10)
                                   YES
                                               NULL
mysql> create table Salesman(salesmanId int(20) NOT NULL AUTO_INCREMENT, salesma
nName varchar(3),salesmanCity varchar(30),salesmanEmail varchar(30), salesmanPho
ne int(10),primary key(salesmanId));
Query OK, 0 rows affected (0.31 sec)
mysql> desc Salesman;
| Field
         | Type | Null | Key | Default | Extra
| salesmanId | int(20) | NO | PRI | NULL
                                                   | auto_increment |
| salesmanName | varchar(3) | YES |
| salesmanCity | varchar(30) | YES |
| salesmanEmail | varchar(30) | YES |
                                         NULL
                                        NULL
                                         NULL
| salesmanPhone | int(10)
                           YES
                                         NULL
5 rows in set (0.00 sec)
mysal>
```



| Null | Key | Default | Extra

NULL NULL auto_increment

| PRI | NULL | NULL

4. Insert sample data

rows in set (0.00 sec)

Field

mysql>

orderId productId

customerId salesmanId

int(20) int(10)

| int(10) | int(10)

salesmanId | int(10) | YES shippingAddress | varchar(30) | YES

NO YES

```
Terminal
nysql> select * from Customers;
 customerId | customerName | customerAddress | customerPostalCode | customerPhone |
                               | Gorakhpur
| Lucknow
| Delhi
            1 | Nam
2 | Anita
3 | xyz
                                                        201001
                                                                                         7065586
rows in set (0.00 sec)
ysql> select * from Salesman;
salesmanId | salesmanName | salesmanCity | salesmanEmail | salesmanPhone |
                               | Delhi
| Delhi
| Lucknow
           1 | Adish
2 | Rohit
3 | Mohit
                                                  | a@gmail.com |
| R@gmail.com |
| M@gmail.com |
                                                                               8065586
                                                                                879886
rows in set (0.00 sec)
nysql> select * from Products;
productId | productName | productPrice | unitAvailable |
          1 | Shirt
2 | Cap
3 | mouse
                                           700 |
100 |
300 |
                                                              500 |
80 |
rows in set (0.01 sec)
ysql> select * from Orders;
orderId | productId | customerId | salesmanId | shippingAddress
                                                          Gorakhpur
                                                           Gorakhpur
                                                          Gorakhpur
```

```
mysql> insert into Customers values(1,'Nam','Gorakhpur','274001',7065586);
Query OK, 1 row affected (0.04 sec)
mysql> insert into Customers values(2,'Anita','Lucknow','201001',7065586);
Query OK, 1 row affected (0.05 sec)
mysql> insert into Customers values(3,'xyz','Delhi','205001',8065586);
Query OK, 1 row affected (0.04 sec)
mysql> select * from Customers;
| customerId | customerName | customerAddress | customerPostalCode | customerPho
ne
          1 | Nam | Gorakhpur | 274001
                                                                      70655
86
          2 | Anita | Lucknow | 201001
                                                                      70655
86
                         Delhi
          3 xyz
                                          205001
                                                                      80655
86 |
```

5. Find the sales person have multiple orders.

```
mysql> select s.salesmanId,s.salesmanName,count(o.orderId) as TotalCount from Salesman s join Orders o on s.salesmanId=o.salesmanId group by salesmanId order by count(orderId);

+-----+
| salesmanId | salesmanName | TotalCount |

+-----+
| 3 | Mohit | 1 |
| 2 | Rohit | 1 |
| 1 | Adish | 3 |

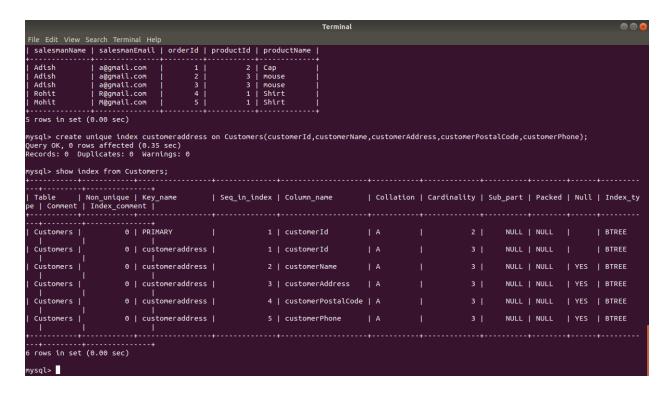
+-----+
3 rows in set (0.29 sec)
```

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

7. Create index

```
mysql> create unique index customeraddress on Customers(customerId,customerName,
customerAddress,customerPostalCode,customerPhone);
Query OK, 0 rows affected (0.35 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8. How to show index on a table



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