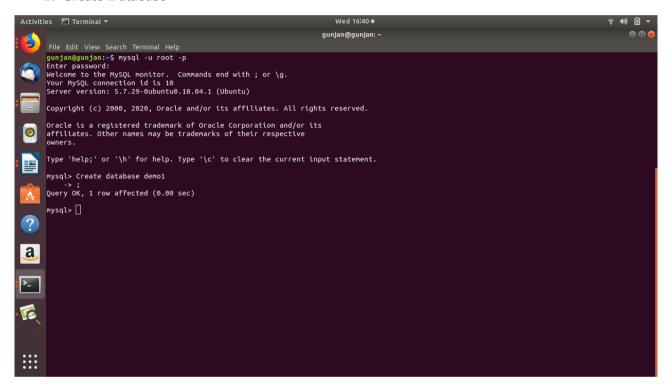
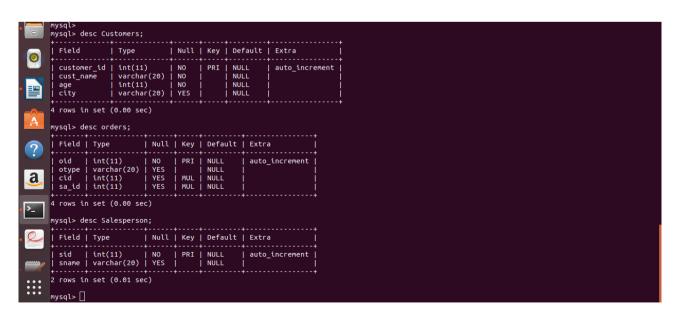
Database Assignment

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



2. Design Schema



3. Create tables

```
mysql> Create table Customers (
    -> customer_id INT NOT NULL Auto_Increment,
    -> cust_name varchar(20) not null,
    -> age int not null,
    -> city varchar(20),
    -> Primary key(customer_id)
    -> );
    Query OK, 0 rows affected (0.04 sec)
```

```
mysql> Create table Salesperson (
-- > sid int primary key auto_increment,
-- > sname varchar(20)
-> );
Query OK, 0 rows affected (0.05 sec)

mysql> 

mysql>
```

4. Insert sample data

```
mysql> insert into Customers (customer_id,cust_name,age,city) values (1,"gunjan",24,"delhi");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Customers (customer_id,cust_name,age,city) values (2,"gaurav",25,"Banglore");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Customers (1,"gunjan",24,"delhi");
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 '1,"gunjan",24,"delhi"); at line 1
mysql> insert into Customers (customer_id,cust_name,age,city) values (1,"gunjan",24,"delhi");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Customers (customer_id,cust_name,age,city) values (2,"gaurav",25,"Banglore");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Customers (customer_id,cust_name,age,city) values (3,"harsh",28,"Mumbai");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Customers (customer_id,cust_name,age,city) values (4,"Ayush",21,"banaras");
Query OK, 1 row affected (0.04 sec)
```

```
mysql> mysql> mysql> insert into Salesperson (sid,sname) values (1,"Rahul");
Query OK, 1 row affected (0.03 sec)

mysql> insert into Salesperson (sid,sname) values (2,"Rohit");
Query OK, 1 row affected (0.04 sec)

mysql> insert into Salesperson (sid,sname) values (3,"Pulkit");
Query OK, 1 row affected (0.01 sec)

mysql> 
mysql> 
mysql> 
mysql>
```

```
mysql> insert into orders (oid,otype,cid,sa_id) values (1,"Mobile",2,1);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders (oid,otype,cid,sa_id) values (1,"microwave",1,3);
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
mysql> insert into orders (oid,otype,cid,sa_id) values (2,"microwave",1,3);
Query OK, 1 row affected (0.03 sec)

mysql> insert into orders (oid,otype,cid,sa_id) values (3,"microwave",4,2);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders (oid,otype,cid,sa_id) values (4,"microwave",3,1);
Query OK, 1 row affected (0.01 sec)

mysql> □
```

5. Find the sales person have multiple orders.

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

7. Create index

```
mysql>
mysql> Create index_cus on Customers(cust_name);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```

8. How to show index on a table.

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

