Excercise 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 assign to one salesperson only). So a sales person can have multiple orders of multiple customers

1. Create Database

```
priyanka@priyanka:~$ sudo mysql
[sudo] password for priyanka:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.7.29-OubuntuO.18.04.1 (Ubuntu)

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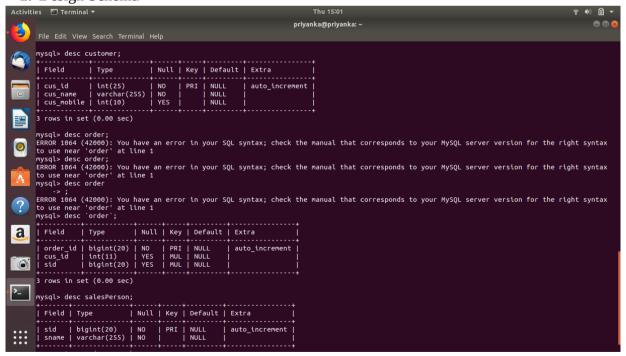
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

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

mysql> use excercise;
Database changed
```

2. Design Schema



3. Create tables

```
mysql> create table salesPerson(sid bigint not null auto_increment, sname varcha
r(255) not null, primary key(sid));
Query OK, 0 rows affected (0.04 sec)
```



4. Insert sample data

```
mysql> insert into customer (cus_id, cus_name, cus_mobile) values (1, 'Ramesh',
999999999);
Query OK, 1 row affected (0.03 sec)
mysql> insert into customer (cus id, cus name, cus mobile) values (2, 'Ram', 999
999949);
Query OK, 1 row affected (0.04 sec)
mysql> insert into customer (cus_id, cus_name, cus_mobile) values (3, 'Meera', 9
99992
Query OK, 1 row affected (0.03 sec)
mysql> insert into customer (cus_id, cus_name, cus_mobile) values (1, 'person1')
ERROR 1136 (21501): Column count doesn't match value count at row 1
mysql> insert into salesPerson (sid, sname) values (1, 'person1');
Query OK, 1 row affected (0.03 sec)
mysql> insert into salesPerson (sid, sname) values (2, 'person2');
Query OK, 1 row affected (0.03 sec)
mysql> insert into salesPerson (sid, sname) values (3, 'person3');
Query OK, 1 row affected (0.04 sec)
```

5. Find the sales person have multiple orders.

```
PTmysql> select * from salesPerson where sid in (select sid from `order` group by sid having count(*)>1);

+----+

| sid | sname | rot+----+

ers | 1 | person1 | +----+

1.1 row in set (0.00 sec)

2.
3. mysql>
```

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

7. Create index

```
mysql> alter table `order` add index sid(sid);
Query OK, O rows affected (0.05 sec)
.Records: O Duplicates: O Warnings: O
mysql>
```

8. How to show index on a table

```
mysql> show index from `order`;

| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |

| order | 0 | PRIMARY | 1 | order_id | A | |
| 6 | NULL | NULL | | BTREE | | |
| order | 1 | cus_id | 1 | cus_id | A |
| 3 | NULL | NULL | YES | BTREE | |
| order | 1 | sid | 1 | sid | A |
| 3 | NULL | NULL | YES | BTREE | |
| order | 1 | sid | 1 | sid | A |
| 3 | NULL | NULL | YES | BTREE | |
```

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