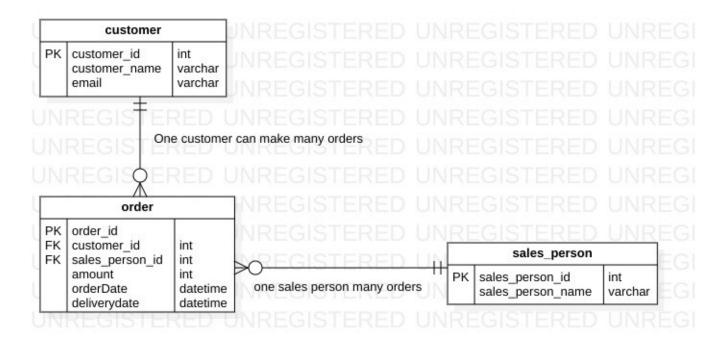
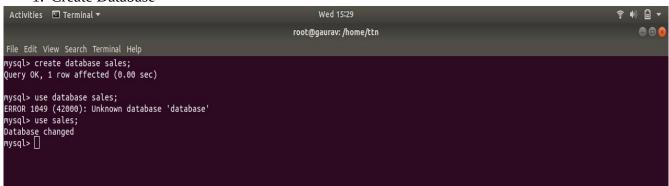
Problem Statement:

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 Create tables

3. Insert sample data

4. Find the sales person have multiple orders.

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

```
mysql> select * from sales_person s inner join orders o where s.sales_person_id = o.sales_person_id ;
 sales_person_id | sales_person_name | order_id | customer_id | sales_person_id | amount |
              1 | Shahrukh Khan |
                                                                       1 | 1000 |
                                           2 | 3 |
              3 | Amir Khan
                                                                              10000
              5 | Imraan Ali Khan |
                                                                              10000
              5 | Imraan Ali Khan |
                                                                        5 | 10000
              1 | Shahrukh Khan |
                                           5
                                                                               500
              2 | Salman Khan
                                                                                500
              3 | Amir Khan
                                                                                500
              3 | Amir Khan
                                                                                400
              5 | Imraan Ali Khan
                                                                                800
9 rows in set (0.00 sec)
nysql> 🛚
```

6. Create index

```
mysql> create index customer_email_index on customer(customer_name);

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> create index sales_person_name_index on sales_person(sales_person_name);

Query OK, 0 rows affected (0.38 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> 

mysql
```

7. How to show index on a table

```
mysql> show index from customer from sales;
 Table | Non_unique | Key_name
nt | Index_comment |
+
                                      | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comm
                   0 | PRIMARY
                                                      1 | customer_id | A
 customer | | customer |
                   1 | customer_email_index |
                                                      1 | customer_name | A |
                                                                                           5 | NULL | NULL | YES | BTREE
 rows in set (0.00 sec)
nysql> show index from sales_person from sales;
 Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | N
ype | Comment | Index_comment |
                                                                                | Collation | Cardinality | Sub_part | Packed | Null | Index_
                       0 | PRIMARY |
 sales_person |
                                                            1 | sales_person_id | A
                                                                                                              NULL | NULL |
                      1 | sales_person_name_index |
                                                      1 | sales_person_name | A
                                                                                                              NULL | NULL | YES | BTREE
 sales_person |
 rows in set (0.00 sec)
mysql>
```

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

