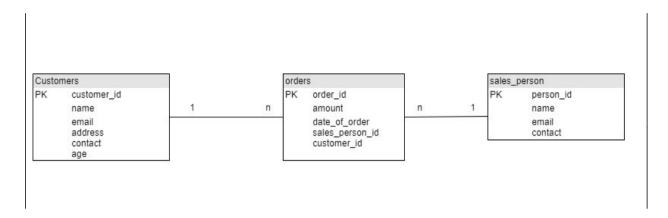
# Exercise:

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

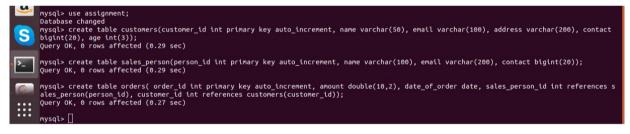
## 1. Create Database



# Design Schema



#### Create tables



## 4. Insert sample data



```
mysql> insert into sales_person values(1, "Henry K", "henry_001@gmail.com", 8364750375);
Query OK, 1 row affected (0.05 sec)

mysql> insert into sales_person values(2, "Conail Denrey", "cd88@gmail.com", 8364755938);
Query OK, 1 row affected (0.04 sec)

mysql> insert into sales_person values(2, "Drake Dawson", "drake@gmail.com", 8362837938);
ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'

mysql> insert into sales_person values(3, "Drake Dawson", "drake@gmail.com", 8362837938);
Query OK, 1 row affected (0.05 sec)

mysql> []

mysql> []
```

```
mysql> insert into orders values(1, 7270.50, "2019-01-27", 1, 1);
Query OK, 1 row affected (0.05 sec)

mysql> insert into orders values(1, 1994.50, "2019-01-07", 1, 3);
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
mysql> insert into orders values(2, 1994.50, "2019-01-07", 1, 3);
Query OK, 1 row affected (0.04 sec)

mysql> insert into orders values(3, 2000.00, "2019-02-01", 2, 3);
Query OK, 1 row affected (0.05 sec)

mysql> insert into orders values(4, 799.00, "2019-02-04", 3, 2);
Query OK, 1 row affected (0.03 sec)

mysql> insert into orders values(4, 799.00, "2019-02-04", 3, 2);

mysql> []
```

5. Find the sales person have multiple orders.

Find the all sales person details along with order details

7. Create index

```
mysql> alter table customers add index email_index(email);
Query OK, 0 rows affected (0.34 sec)
... Records: 0 Duplicates: 0 Warnings: 0
... mysql>
```

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

```
mysql> select o.order_id, sp.name sales_person, c.name customer from orders o JOIN sales_person sp on o.sales_person_id=sp.person_id JOIN cust oners c on c.customer_id=o.customer_id;

| order_id | sales_person | customer |
| 1 | Henry K | Jim Smith |
| 2 | Henry K | Abby Sam |
| 3 | Conail Denrey | Abby Sam |
| 4 | Drake Dawson | Smith John |

4 rows in set (0.00 sec)
| mysql> |
```