Q1. Create Database.

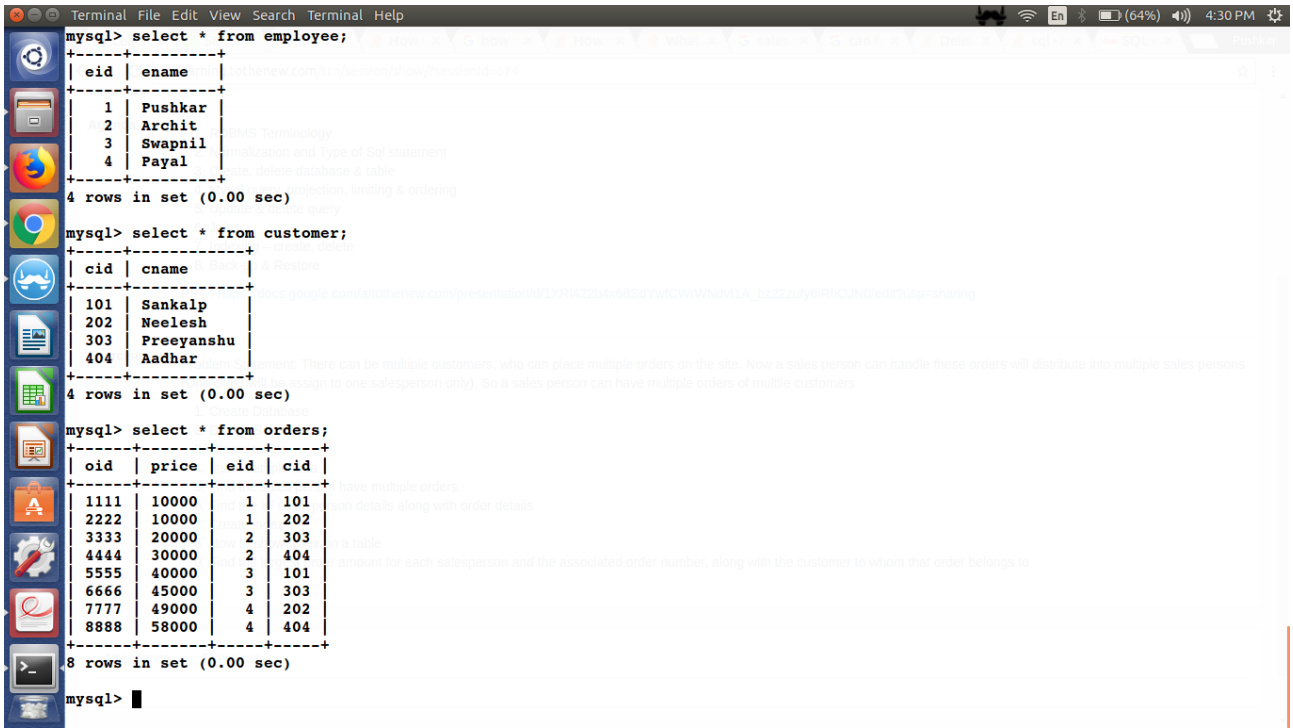
```
mysql> create database ekart;
Query OK, 1 row affected (0.00 sec)

mysql> show databases
    -> ;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| ekart              |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)
```

Q2. Create Schema. Q3. Create Tables.

```
mysql> create table employee( eid int not null unique primary key, ename varchar(20));
Query OK, 0 rows affected (0.34 sec)

mysql> create table customer( cid int not null unique primary key, cname varchar(20));
Query OK, 0 rows affected (0.33 sec)

mysql> create table orders(oid int not null unique primary key, price int not null, eid int not null, cid int not null,)
    -> ^C
mysql> create table orders(oid int not null unique primary key, price int not null, eid int not null, cid int not null, foreign
key (eid) references employee(eid), foreign key (cid) references customer(cid));
Query OK, 0 rows affected (0.45 sec)
```

Q4. Insert sample data.

```
mysql> insert into employee values(1, "Pushkar"),(2, "Archit"),(3,"Swapnil"),(4,"Payal");
Query OK, 4 rows affected (0.09 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> insert into customer values(101, "Sankalp"),(202, "Neelesh"),(303,"Preeyanshu"),(404,"Aadhar");
Query OK, 4 rows affected (0.07 sec)
Records: 4  Duplicates: 0  Warnings: 0
```



Q5. Find the salesperson have multiple orders.

```
mysql> select ename,count(*) from employee e inner join orders o on o.eid=e.eid group by ename having count(*)>1;
+---------+----------+
| ename   | count(*) |
+---------+----------+
| Archit  |        2 |
| Payal   |        2 |
| Swapnil |        2 |
+---------+----------+
3 rows in set (0.00 sec)
```

Q6. Find the all sales person details along with order details.

```
mysql> select e.eid,e.ename,o.oid,o.price,o.cid from employee e inner join orders o on o.eid=e.eid;
+-----+---------+------+-------+-----+
| eid | ename   | oid  | price | cid |
+-----+---------+------+-------+-----+
|   1 | Pushkar | 2222 | 10000 | 202 |
|   2 | Archit  | 3333 | 20000 | 303 |
|   2 | Archit  | 4444 | 30000 | 404 |
|   3 | Swapnil | 5555 | 40000 | 101 |
|   3 | Swapnil | 6666 | 45000 | 303 |
|   4 | Payal   | 7777 | 49000 | 202 |
|   4 | Payal   | 8888 | 58000 | 404 |
+-----+---------+------+-------+-----+
7 rows in set (0.00 sec)
```

Q7. Create Index.

```
mysql> create index ind1 on orders (price);
Query OK, 0 rows affected (0.81 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Q8. Show index on a table.

```
mysql> show index from orders;
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
| Table  | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
| orders |          0 | PRIMARY  |            1 | oid         | A         |           8 |     NULL | NULL   |      | BTREE      |         |               |
| orders |          0 | oid      |            1 | oid         | A         |           8 |     NULL | NULL   |      | BTREE      |         |               |
| orders |          1 | eid      |            1 | eid         | A         |           4 |     NULL | NULL   |      | BTREE      |         |               |
| orders |          1 | cid      |            1 | cid         | A         |           4 |     NULL | NULL   |      | BTREE      |         |               |
| orders |          1 | ind1     |            1 | price       | A         |           7 |     NULL | NULL   |      | BTREE      |         |               |
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+
5 rows in set (0.00 sec)
```

Q9. Find the largest order amount for each salesperson and the associated order number, along with the customer to whom that order belongs to.

```
select e.name, o.eid, o.oid, o.price,o.cid,c.name
from orders o
inner join employee e on e.eid=o.oid
```

```
inner join customer c on o.cid=c.cid
group by o.eid
order by o.price desc limit 1;
```