Assignment 19
Views.

1) Create a view that shows all of the customers who have the highest ratings.

create view high_rate as
select * from customers
where rating=(select max(rating) from customers);

select * from high_rate;

```
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2002 | Giovanni | Rome     |    300 | 1003 |
| 2004 | Grass    | Berlin   |    300 | 1004 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
3 rows in set (0.00 sec)
```

2) Create a view that shows the number of salespeople in each city.

create view vi_city as
select city,count(city) from salespeople group by city;

select * from vi_city;

```
+-----------+-------------+
| city      | count(city) |
+-----------+-------------+
| London    |           2 |
| San Jose  |           2 |
| Barcelona |           1 |
| New York  |           1 |
+-----------+-------------+
4 rows in set (0.00 sec)
```

3) Create a view that shows the average and total orders for each salesperson after his or her name. Assume all names are unique.

create view order_vi as
select sname,floor(avg(onum)) as Average,count(onum) as total from salespeople join orders using(snum) group by sname;

select * from order_vi;

```
+----------+----------+-------+
| sname    | Average  | total |
+----------+----------+-------+
| Rifkin   |    3003  |    2  |
| Motika   |    3002  |    1  |
| Peel     |    3007  |    3  |
| Serres   |    3007  |    3  |
| Axelrod  |    3009  |    1  |
+----------+----------+-------+
5 rows in set (0.00 sec)
```

4) Create a view that shows each salesperson with multiple customers.
create view sales_people_v as
select sname,cname from salespeople join customers using(snum);

select * from sales_people_v;

```
+----------+-----------+
| sname    | cname     |
+----------+-----------+
| Peel     | Hoffman   |
| Axelrod  | Giovanni  |
| Motika   | Liu       |
| Motika   | Grass     |
| Peel     | Clemens   |
| Rifkin   | Cisneros  |
| Motika   | Pereira   |
+----------+-----------+
7 rows in set (0.00 sec)
```