Assignment –19
Views.

1) Create a view that shows all of the customers who have the highest ratings.
Ans:
create view c as select * from customers where rating = (select max(rating) from customers);

select * from c;
```
+------+----------+----------+--------+------+
| cnum | cname    | city     | rating | snum |
+------+----------+----------+--------+------+
| 2004 | Grass    | Berlin   |    300 | 1002 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
```

2) Create a view that shows the number of salespeople in each city.
Ans:
create view no_salespeople as select city,count(city) `Number of salespeople` from salespeople group by city;

select * from no_salespeople;
```
+-----------+----------------------+
| city      | Number of salespeople |
+-----------+----------------------+
| London    |                    2 |
| San Jose  |                    1 |
| New York  |                    1 |
| Barcelona |                    1 |
+-----------+----------------------+
```

3) Create a view that shows the average and total orders for each salesperson after his or her name. Assume all names are unique.
Ans:
create view report as select s.sname,avg(amt),count(o.snum) from orders o join salespeople s on s.snum = o.snum group by s.sname;

select * from report;
```
+---------+-------------+---------------+
| sname   | avg(amt)    | count(o.snum) |
+---------+-------------+---------------+
| Rifkin  | 558.425017  |             2 |
| Motika  | 1900.099976 |             1 |
```

```
| Peel    | 5127.356628 |          3 |
| serres  | 2182.050049 |          3 |
| Axelrod | 1713.229980 |          1 |
+---------+-------------+--------------+
```

4) Create a view that shows each salesperson with multiple customers.
Ans:
create view salespeople_With_Customer as select s.snum,s.sname,count(c.cnum)
cust_count from customers c join salespeople s on s.snum = c.snum group by
s.snum,s.sname having count(c.cnum)>1;

select * from salespeople_With_Customer;
```
+------+--------+------------+
| snum | sname  | cust_count |
+------+--------+------------+
| 1001 | Peel   |          2 |
| 1002 | serres |          2 |
+------+--------+------------+
```