Assignment – 19

Views.

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

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

   select * from h_rated_cust;

```
D3_92972_Shubham>create view h_rated_cust as select * from customers where rating = (select max(rating) from customers);
Query OK, 0 rows affected (0.01 sec)

D3_92972_Shubham>select * from h_rated_cust;
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2002 | Giovanni | Rome     |    300 | 1003 |
| 2004 | Grass    | Berlin   |    300 | 1002 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
3 rows in set (0.01 sec)

D3_92972_Shubham>
```

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

   Create view tns_city as select city, count(city) "No of sales people" from salespeople group by city;

   Select * from tns_city;

```
D3_92972_Shubham>Create view tns_city as select city, count(city) "No of sales people" from salespeople group by city;
Query OK, 0 rows affected (0.01 sec)

D3_92972_Shubham>Select * from tns_city;
+-----------+--------------------+
| city      | No of sales people |
+-----------+--------------------+
| London    |                  2 |
| San Jose  |                  1 |
| Barcelona |                  1 |
| New York  |                  1 |
|  San Jose |                  1 |
+-----------+--------------------+
5 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 av_tot_sal as select sname, avg(onum) average, count(onum) "Total Orders" from salespeople join orders using (snum) group by sname;

Select * from av_tot_sal;

```
D3_92972_Shubham>Create view av_tot_sal as select sname, avg(onum) average, count(onum)  "Total Orders" from salespeople join orders using (snum) gro
up by sname;
Query OK, 0 rows affected (0.01 sec)

D3_92972_Shubham>Select * from av_tot_sal;
+---------+-----------+--------------+
| sname   | average   | Total Orders |
+---------+-----------+--------------+
| Peel    | 3003.0000 |            1 |
| Motika  | 3006.0000 |            4 |
| Rifkin  | 3003.5000 |            2 |
| Axelrod | 3009.0000 |            1 |
+---------+-----------+--------------+
4 rows in set (0.00 sec)
```

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

```
D3_92972_Shubham>Create view m_c as select sname, cname from salespeople join customers using (snum);
Query OK, 0 rows affected (0.01 sec)

D3_92972_Shubham>Select * from m_c;
+---------+----------+
| sname   | cname    |
+---------+----------+
| Peel    | Hoffman  |
| Axelrod | Giovanni |
| Serres  | Liu      |
| Serres  | Grass    |
| Rifkin  | Cisneros |
| Motika  | Pereira  |
+---------+----------+
6 rows in set (0.00 sec)
```