Vatsal Mishra
D4
83889

Assignment – 8

1) Assume each salesperson has a 12% commission.Write a query on the orders table that will produce the order number, the salesperson number, and the amount of the salesperson's commission for that order.

```
D4_Vatsal_83889>select Onum, Snum, 0.12*Amt as Comm from Orders;
+------+------+---------+
| Onum | Snum | Comm    |
+------+------+---------+
| 3001 | 1007 |    2.24 |
| 3003 | 1001 |   92.06 |
| 3002 | 1004 |  228.01 |
| 3005 | 1002 |  619.25 |
| 3006 | 1007 |  131.88 |
| 3009 | 1003 |  205.59 |
| 3007 | 1002 |    9.09 |
| 3008 | 1001 |  566.76 |
| 3010 | 1002 |  157.19 |
| 3011 | 1001 | 1187.03 |
+------+------+---------+
10 rows in set (0.00 sec)
```

2) Write a query on the Customers table that will find the highest rating in each city. Put the output in this form:

For the city (city), the highest rating is : (rating).

```
D4_Vatsal_83889>select concat(concat(concat(concat(concat('For the city','('),ci
ty),')'),' the highest rating is '),max(rating)) as Output from Customers group
by City;
+----------------------------------------------------+
| Output                                             |
+----------------------------------------------------+
| For the city(London) the highest rating is 100     |
| For the city(Rome) the highest rating is 200       |
| For the city(San Jose) the highest rating is 300   |
| For the city(Berlin) the highest rating is 300     |
+----------------------------------------------------+
4 rows in set (0.00 sec)
```

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3) Write a query that lists customers in descending order of rating. Output the rating field first, followed by the customer's name and number.

```
D4_Vatsal_83889>select Rating, Cname, Cnum from Customers order by rating desc;
+--------+----------+------+
| Rating | Cname    | Cnum |
+--------+----------+------+
|    300 | Grass    | 2004 |
|    300 | Cisneros | 2008 |
|    200 | Giovanni | 2002 |
|    200 | Liu      | 2003 |
|    100 | Hoffman  | 2001 |
|    100 | Clemens  | 2006 |
|    100 | Pereira  | 2007 |
+--------+----------+------+
7 rows in set (0.00 sec)
```

4)Write a query that totals the orders for each day and places the results in descending order.

```
D4_Vatsal_83889>select Odate, sum(Amt) from Orders group by Odate order by 2 des
c;
+------------+----------+
| Odate      | sum(Amt) |
+------------+----------+
| 1990-10-03 | 10255.34 |
| 1990-10-06 |  9891.88 |
| 1990-10-05 |  4723.00 |
| 1990-10-04 |  1788.98 |
+------------+----------+
4 rows in set (0.00 sec)
```