Assignment 08

KD1-Indrajeet-86641

Q1. 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.

➔ **select onum, snum, amt*0.12 from orders;**

```
KD1-Indrajeet-86641@>select onum, snum, amt*0.12 from orders;
+------+------+-----------+
| onum | snum | amt*0.12  |
+------+------+-----------+
| 3001 | 1007 |    2.2428 |
| 3003 | 1001 |   92.0628 |
| 3002 | 1004 |  228.0120 |
| 3005 | 1002 |  619.2540 |
| 3006 | 1007 |  131.7792 |
| 3009 | 1003 |  205.5876 |
| 3007 | 1002 |    9.0900 |
| 3008 | 1001 |  566.7600 |
| 3010 | 1002 |   37.1940 |
| 3011 | 1001 | 1187.0256 |
+------+------+-----------+
10 rows in set (0.04 sec)
```

Q2. 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).

➔ **select city, max(rating) as rating from customers;**

```
KD1-Indrajeet-86641@>select city, max(rating) as rating from customers
    -> group by city;
+----------+--------+
| city     | rating |
+----------+--------+
| London   |    100 |
| Rome     |    200 |
| San Jose |    300 |
| Berlin   |    300 |
+----------+--------+
4 rows in set (0.01 sec)
```

Q3. Write a query that lists customers in descending order of rating. Output the rating field first, followed by the customer's name and number.

➔ **select rating, cname as customer_name, cnum as customer_number**

from customers order by rating desc;

```
KD1-Indrajeet-86641@>select rating, cname as cust

+--------+---------------+-----------------+
| rating | customer_name | customer_number |
+--------+---------------+-----------------+
|    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)
```

Q4. Write a query that totals the orders for each day and places the results in descending order.

➔ **select odate, count(onum) as total from orders**

group by odate order by count(onum) desc;

```
KD1-Indrajeet-86641@>select odate,
+------------+-------+
| odate      | total |
+------------+-------+
| 1990-10-03 |     5 |
| 1990-10-04 |     5 |
+------------+-------+
2 rows in set (0.00 sec)
```