

SQL Assignment – 8

Formatting Query output.

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.

```
W3_84107_Aboli>select Onum , Snum ,Amt,Amt*0.12 'Commision' from ORDERS;
+-----+-----+-----+-----+
| Onum | Snum | Amt | Commision |
+-----+-----+-----+-----+
| 3001 | 1007 | 18.69 | 2.24 |
| 3003 | 1001 | 767.19 | 92.06 |
| 3002 | 1004 | 1900.10 | 228.01 |
| 3005 | 1002 | 5160.45 | 619.25 |
| 3006 | 1007 | 1098.16 | 131.78 |
| 3009 | 1003 | 1713.23 | 205.59 |
| 3007 | 1002 | 75.75 | 9.09 |
| 3008 | 1001 | 4723.00 | 566.76 |
| 3010 | 1002 | 1309.95 | 157.19 |
| 3011 | 1001 | 9891.88 | 1187.03 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

W3_84107_Aboli>
```

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).

```
W3_84107_Aboli>select City, max(Rating)'Rating' from CUSTOMERS group by city;
+-----+-----+
| City | Rating |
+-----+-----+
| London | 100 |
| roma | 200 |
| San Jose | 300 |
| Berlin | 300 |
| Rome | 100 |
+-----+-----+
5 rows in set (0.00 sec)

W3_84107_Aboli>
```

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.

```
W3_84107_Aboli>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)

W3_84107_Aboli>
```

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

```
W3_84107_Aboli>select Odate,SUM(Amt) 'Total' from ORDERS group by Odate order by Total desc;
+-----+-----+
| Odate   | Total   |
+-----+-----+
| 1990-10-06 | 11201.83 |
| 1990-10-03 | 8944.59 |
| 1990-10-05 | 4723.00 |
| 1990-10-04 | 1788.98 |
+-----+-----+
4 rows in set (0.00 sec)

W3_84107_Aboli>
```