

SQL ASSIGNMENT -8

ROLL NO-84016

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.

Ans.

```
D2_84016_Suyash>select onum,Snum,amt*.12 Comm from ORDERS ;
+-----+-----+-----+
| onum | Snum | Comm |
+-----+-----+-----+
| 3001 | 1007 | 2.242800064086914 |
| 3003 | 1001 | 92.06280029296875 |
| 3002 | 1004 | 228.0119970703125 |
| 3005 | 1002 | 619.2540234375 |
| 3006 | 1007 | 131.7792041015625 |
| 3009 | 1003 | 205.58759765624998 |
| 3007 | 1002 | 9.09 |
| 3008 | 1001 | 566.76 |
| 3010 | 1002 | 157.193994140625 |
| 3011 | 1001 | 1187.0255859375 |
+-----+-----+-----+
10 rows in set (0.00 sec)

D2_84016_Suyash>
```

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).

Ans.

```
D2_84016_Suyash>select City,max(Rating) highest_rating from CUSTOMERS group by City order by City;
+-----+-----+
| City | highest_rating |
+-----+-----+
| Berlin | 300 |
| London | 100 |
| Rome | 200 |
| San Jose | 300 |
+-----+-----+
4 rows in set (0.00 sec)

D2_84016_Suyash>
```

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.

```
D2_84016_Suyash>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)

D2_84016_Suyash>
```

Ans.

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

Ans.

```
D2_84016_Suyash>select Odate,sum(Amt)Total from ORDERS group by Odate order by 2 desc;
+-----+-----+
| Odate   | Total |
+-----+-----+
| 1990-10-06 | 11201.829833984375 |
| 1990-10-03 | 8944.590208053589 |
| 1990-10-05 | 4723 |
| 1990-10-04 | 1788.97998046875 |
+-----+-----+
4 rows in set (0.00 sec)

D2_84016_Suyash>
```