

SQL Assignment 8

Formatting query output.

Q.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.

```
D5_Shaurya_83785>select Onum, Snum, Amt*0.12 from ORDERS;
+-----+-----+-----+
| Onum | Snum | Amt*0.12 |
+-----+-----+-----+
| 3001 | 1007 |      2.24 |
| 3003 | 1001 |     92.06 |
| 3002 | 1004 |    228.01 |
| 3005 | 1002 |    619.25 |
| 3006 | 1007 |    131.78 |
| 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)
```

Q.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)

```
D5_Shaurya_83785>select distinct CITY as 'For the city', max(RATING) as 'the highest
rating is' from CUSTOMERS group by CITY;
+-----+-----+
| For the city | the highest rating is |
+-----+-----+
| London      |          100          |
| Rome        |          200          |
| San Jose    |          300          |
| Berlin      |          300          |
+-----+-----+
4 rows in set (0.00 sec)
```

Q.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.

```
D5_Shaurya_83785>select RATING, CNAME, CNUM FROM CUSTOMERS ORDER BY RATING DESC;
+-----+-----+-----+
| RATING | CNAME   | CNUM |
+-----+-----+-----+
| 300    | Grass   | 2004 |
| 300    | Clisneros | 2008 |
| 200    | Giovanni | 2002 |
| 200    | Liu     | 2003 |
| 100    | Hoffman | 2001 |
| 100    | Clemens | 2006 |
| 100    | Pereira | 2007 |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

Q.4 Write a query that totals the order for each day and places the results in ascending order.

```
D5_Shaurya_83785>SELECT Odate, COUNT(DISTINCT Onum) from ORDERS GROUP BY Odate ORDER
BY Odate ASC;
+-----+-----+
| Odate      | COUNT(DISTINCT Onum) |
+-----+-----+
| 1990-10-03 | 5 |
| 1990-10-04 | 2 |
| 1990-10-05 | 1 |
| 1990-10-06 | 2 |
+-----+-----+
4 rows in set (0.00 sec)
```