

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.

Ans:

```
W1_83926_Vaibhavi>select Onum,Snum,(Amt*.12) "Amount" from Orders;
+-----+-----+-----+
| Onum | Snum | Amount |
+-----+-----+-----+
| 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 (0.01 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).

Ans:

```
W1_83926_Vaibhavi>select City "City",Max(Rating) "The Highest rating is" from Customers group by City;
+-----+-----+
| City | The Highest rating is |
+-----+-----+
| London | 100 |
| Rome | 200 |
| San Jose | 300 |
| Berlin | 300 |
+-----+-----+
4 rows in set (0.00 sec)
```

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.

Ans:

```
W1_83926_Vaibhavi>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)
```

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

Ans:

```
W1_83926_Vaibhavi>select Sum(Amt), Odate from Orders
-> group by Odate;
+-----+-----+
| Sum(Amt) | Odate       |
+-----+-----+
| 8944.59  | 1990-10-03  |
| 1788.98  | 1990-10-04  |
| 4723.00  | 1990-10-05  |
| 11201.83 | 1990-10-06  |
+-----+-----+
4 rows in set (0.00 sec)
```

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