***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 : mysql> select onum, snum, amt \* 0.12 as commission from orders;**

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**| onum | snum | commission |**

**+------+------+------------+**

**| 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 |**

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1. 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 : mysql> SELECT City, MAX(Rating)**

**-> FROM customers**

**-> GROUP BY City;**

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**| City | MAX(Rating) |**

**+----------+-------------+**

**| Pune | 250 |**

**| Mumbai | 200 |**

**| Delhi | 150 |**

**| Chennai | 300 |**

**| London | 100 |**

**| Rome | 200 |**

**| San Jose | 300 |**

**| Berlin | 300 |**

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1. 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 : mysql> SELECT Rating, Cname, Cnum**

**-> FROM customers**

**-> ORDER BY Rating DESC;**

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**| Rating | Cname | Cnum |**

**+--------+----------+------+**

**| 300 | Anil | 2005 |**

**| 300 | Grass | 2004 |**

**| 300 | Cisneros | 2008 |**

**| 250 | Isha | 2004 |**

**| 200 | Neha | 2002 |**

**| 200 | Giovanni | 2002 |**

**| 200 | Liu | 2003 |**

**| 150 | Karan | 2003 |**

**| 100 | Rahul | 2001 |**

**| 100 | Hoffman | 2001 |**

**| 100 | Clemens | 2006 |**

**| 100 | Pereira | 2007 |**

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