**ASSIGNMENT 08**

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.

mysql> SELECT Onum, Snum,

-> (Amt \* 0.12) AS commission

-> FROM Orders;

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| Onum | Snum | commission |

+------+------+------------+

| 3001 | 1007 | 2.24 |

| 3002 | 1004 | 228.01 |

| 3003 | 1001 | 92.06 |

| 3005 | 1002 | 619.25 |

| 3006 | 1007 | 131.78 |

| 3007 | 1002 | 9.09 |

| 3008 | 1001 | 566.76 |

| 3009 | 1003 | 205.59 |

| 3010 | 1002 | 157.19 |

| 3011 | 1001 | 1187.03 |

+------+------+------------+

10 rows in set (0.00 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).

mysql> SELECT CONCAT('For the city ', city, ', the highest rating is: ', MAX(rating)) AS highest\_rating\_message

-> FROM Customers

-> GROUP BY city;

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| highest\_rating\_message |

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| For the city London, the highest rating is: 100 |

| For the city Rome, the highest rating is: 200 |

| For the city San Jose, the highest rating is: 300 |

| For the city Berlin, the highest rating is: 300 |

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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.

mysql> SELECT rating, Cname, Cnum

-> FROM Customers

-> ORDER BY rating DESC;

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| rating | Cname | Cnum |

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| 300 | Grass | 2004 |

| 300 | Cisneros | 2008 |

| 200 | Giovanni | 2002 |

| 200 | Liu | 2003 |

| 100 | Hoffman | 2001 |

| 100 | Clemens | 2006 |

| 100 | Pereira | 2007 |

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

mysql> SELECT Odate, SUM(Amt) AS total\_orders

-> FROM Orders

-> GROUP BY Odate

-> ORDER BY total\_orders DESC;

+------------+--------------+

| Odate | total\_orders |

+------------+--------------+

| 1990-10-06 | 11201.83 |

| 1990-10-03 | 8944.59 |

| 1990-10-05 | 4723.00 |

| 1990-10-04 | 1788.98 |

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4 rows in set (0.00 sec)