

Assignment 8

- 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.

```
C:\WINDOWS\system32\cmd. x + v
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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statemen
t.

W3_93086_Harshal>SELECT * from Salespeople;
ERROR 1046 (3D000): No database selected
W3_93086_Harshal>use harshal
Database changed
W3_93086_Harshal>SELECT * from Salespeople;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
| 1003 | Axelrod | New York | 0.1 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

W3_93086_Harshal>SELECT onum,snum,amt,(amt*12)/100 commision From orders;
+-----+-----+-----+-----+
| onum | snum | amt | commision |
+-----+-----+-----+-----+
| 3001 | 1007 | 18.69 | 2.242800 |
| 3003 | 1001 | 767.19 | 92.062800 |
| 3002 | 1004 | 1900.10 | 228.011997 |
| 3005 | 1002 | 5160.45 | 619.254023 |
| 3006 | 1007 | 1098.16 | 131.779204 |
| 3009 | 1003 | 1713.23 | 205.587598 |
| 3007 | 1002 | 75.75 | 9.090000 |
| 3008 | 1001 | 4723.00 | 566.760000 |
| 3010 | 1002 | 1309.95 | 157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

W3_93086_Harshal>
```

2) Write a query on the Customers table that will find the highest rating in each city. Put the output in this form:

```
C:\WINDOWS\system32\cmd. x + v

| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>select onum,snum,amt,(amt*12)/100 commision From orders;
+-----+
| onum | snum | amt | commision |
+-----+
| 3001 | 1007 | 18.69 | 2.242800 |
| 3003 | 1001 | 767.19 | 92.062800 |
| 3002 | 1004 | 1900.10 | 228.011997 |
| 3005 | 1002 | 5160.45 | 619.254023 |
| 3006 | 1007 | 1098.16 | 131.779204 |
| 3009 | 1003 | 1713.23 | 205.587598 |
| 3007 | 1002 | 75.75 | 9.090000 |
| 3008 | 1001 | 4723.00 | 566.760000 |
| 3010 | 1002 | 1309.95 | 157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+-----+
10 rows in set (0.00 sec)

W3_93086_Harshal>select rating,cname,snum from customers order by rating Descending;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Descending' at line 1
W3_93086_Harshal>select rating,cname,snum from customers order by rating Desc;
+-----+
| rating | cname | snum |
+-----+
| 300 | Grass | 1002 |
| 300 | Cisneros | 1007 |
| 200 | Giovanni | 1003 |
| 200 | Liu | 1002 |
| 100 | Hoffman | 1001 |
| 100 | Clemens | 1001 |
| 100 | Pereira | 1004 |
+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>
```

- 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.

```
C:\WINDOWS\system32\cmd. x + v
| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>select onum,snum,amt,(amt*12)/100 commision From orders;
+-----+-----+-----+-----+
| onum | snum | amt | commision |
+-----+-----+-----+-----+
| 3001 | 1007 | 18.69 | 2.242800 |
| 3003 | 1001 | 767.19 | 92.062800 |
| 3002 | 1004 | 1900.10 | 228.011997 |
| 3005 | 1002 | 5160.45 | 619.254023 |
| 3006 | 1007 | 1098.16 | 131.779204 |
| 3009 | 1003 | 1713.23 | 205.587598 |
| 3007 | 1002 | 75.75 | 9.090000 |
| 3008 | 1001 | 4723.00 | 566.760000 |
| 3010 | 1002 | 1309.95 | 157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

W3_93086_Harshal>select rating,cname,snum from customers order by rating Descending;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Descending' at line 1
W3_93086_Harshal>select rating,cname,snum from customers order by rating Desc;
+-----+-----+-----+
| rating | cname | snum |
+-----+-----+-----+
| 300 | Grass | 1002 |
| 300 | Cisneros | 1007 |
| 200 | Giovanni | 1003 |
| 200 | Liu | 1002 |
| 100 | Hoffman | 1001 |
| 100 | Clemens | 1001 |
| 100 | Pereira | 1004 |
+-----+-----+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>
```

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

```
C:\WINDOWS\system32\cmd. X + v
| 3009 | 1003 | 1713.23 | 205.587598 |
| 3007 | 1002 | 75.75 | 9.090000 |
| 3008 | 1001 | 4723.00 | 566.760000 |
| 3010 | 1002 | 1309.95 | 157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+-----+
10 rows in set (0.00 sec)

W3_93086_Harshal>select rating,cname,snum from customers order by rating Descending;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server v
'Descending' at line 1
W3_93086_Harshal>select rating,cname,snum from customers order by rating Desc;
+-----+
| rating | cname | snum |
+-----+
| 300 | Grass | 1002 |
| 300 | Cisneros | 1007 |
| 200 | Giovanni | 1003 |
| 200 | Liu | 1002 |
| 100 | Hoffman | 1001 |
| 100 | Clemens | 1001 |
| 100 | Pereira | 1004 |
+-----+
7 rows in set (0.00 sec)

W3_93086_Harshal>Select count(odate) "Total Orders", odate from orders group by odate order by "TOTAL ORDERS";
+-----+
| Total Orders | odate |
+-----+
| 5 | 1990-10-03 |
| 2 | 1990-10-04 |
| 1 | 1990-10-05 |
| 2 | 1990-10-06 |
+-----+
4 rows in set (0.00 sec)

W3_93086_Harshal>
```