

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.

```
D1_86939_Prajwal>select onum , snum , amt*0.12 as commission, sysdate() from orders order by 1;
```

onum	snum	commission	sysdate()
3001	1007	2.24	2024-09-12 16:01:58
3002	1004	228.01	2024-09-12 16:01:58
3003	1001	92.06	2024-09-12 16:01:58
3005	1002	619.25	2024-09-12 16:01:58
3006	1007	131.78	2024-09-12 16:01:58
3007	1002	9.09	2024-09-12 16:01:58
3008	1001	566.76	2024-09-12 16:01:58
3009	1003	205.59	2024-09-12 16:01:58
3010	1002	157.19	2024-09-12 16:01:58
3011	1001	1187.03	2024-09-12 16:01:58

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)

```
D1_86939_Prajwal>select city as city , max(rating) as Rating , sysdate() from customers group by city;
```

city	Rating	sysdate()
London	100	2024-09-12 16:28:49
Rome	200	2024-09-12 16:28:49
San Jose	300	2024-09-12 16:28:49
Berlin	300	2024-09-12 16:28:49

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.

```
D1_86939_Prajwal>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)
```

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

```
D1_86939_Prajwal>select odate, sum(amt) as Total from orders group by odate order by Total desc;
+-----+-----+
| odate   | Total   |
+-----+-----+
| 1990-10-06 | 11201.83 |
| 1990-10-03 | 8944.59 |
| 1990-10-05 | 4723.00 |
| 1990-10-04 | 1788.95 |
+-----+-----+
4 rows in set (0.00 sec)
```