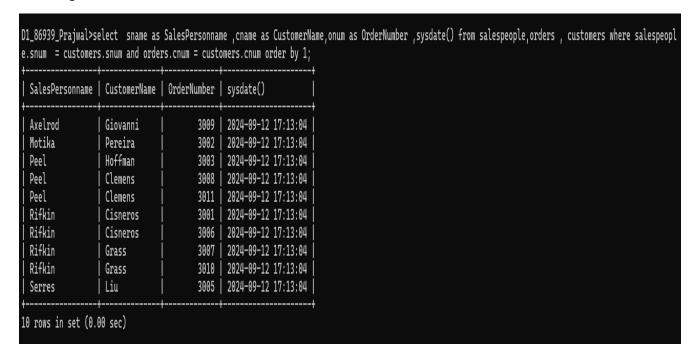SQL Assignment – 9

Querying Multiple Tables at Once.

1) Write a query that lists each order number followed by the name of the customer who made the order.

```
D1_86939_Prajwal>select onum as OrderNumber  , cname as CustomerName, sysdate() from orders ,
 customers where orders.cnum = customers.cnum order by 1;
+-------------+--------------+---------------------+
| OrderNumber | CustomerName | sysdate()           |
+-------------+--------------+---------------------+
|        3001 | Cisneros     | 2024-09-12 17:04:12 |
|        3002 | Pereira      | 2024-09-12 17:04:12 |
|        3003 | Hoffman      | 2024-09-12 17:04:12 |
|        3005 | Liu          | 2024-09-12 17:04:12 |
|        3006 | Cisneros     | 2024-09-12 17:04:12 |
|        3007 | Grass        | 2024-09-12 17:04:12 |
|        3008 | Clemens      | 2024-09-12 17:04:12 |
|        3009 | Giovanni     | 2024-09-12 17:04:12 |
|        3010 | Grass        | 2024-09-12 17:04:12 |
|        3011 | Clemens      | 2024-09-12 17:04:12 |
+-------------+--------------+---------------------+
10 rows in set (0.00 sec)
```

2) Write a query that gives the names of both the salesperson and the customer for each order along with the order number.

```
D1_86939_Prajwal>select  sname as SalesPersonname ,cname as CustomerName,onum as OrderNumber ,sysdate() from salespeople,orders , customers where salespeopl
e.snum  = customers.snum and orders.cnum = customers.cnum order by 1;

+-----------------+--------------+-------------+---------------------+
| SalesPersonname | CustomerName | OrderNumber | sysdate()           |
+-----------------+--------------+-------------+---------------------+
| Axelrod         | Giovanni     |        3009 | 2024-09-12 17:13:04 |
| Motika          | Pereira      |        3002 | 2024-09-12 17:13:04 |
| Peel            | Hoffman      |        3003 | 2024-09-12 17:13:04 |
| Peel            | Clemens      |        3008 | 2024-09-12 17:13:04 |
| Peel            | Clemens      |        3011 | 2024-09-12 17:13:04 |
| Rifkin          | Cisneros     |        3001 | 2024-09-12 17:13:04 |
| Rifkin          | Cisneros     |        3006 | 2024-09-12 17:13:04 |
| Rifkin          | Grass        |        3007 | 2024-09-12 17:13:04 |
| Rifkin          | Grass        |        3010 | 2024-09-12 17:13:04 |
| Serres          | Liu          |        3005 | 2024-09-12 17:13:04 |
+-----------------+--------------+-------------+---------------------+
10 rows in set (0.00 sec)
```

3) Write a query that produces all customers serviced by salespeople with a commission above 12%. Output the customer's name, the salesperson's name, and the salesperson's rate of commission.

```
D1_86939_Prajwal>select cname , sname, comm from customers , salespeople where customers.snum
 = salespeople.snum and comm > .12 order by 3;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Rifkin | 0.15 |
| Cisneros | Rifkin | 0.15 |
+----------+--------+------+
3 rows in set (0.00 sec)
```

4) Write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100

```
D1_86939_Prajwal>select salespeople.snum , customers.cnum, orders.onum , customers.rating, amt*comm as c
ommission  from orders , salespeople ,customers where (customers.snum = salespeople.snum) and (customers
.cnum = orders.cnum) and rating > 100 order by 1;
+------+------+------+--------+------------+
| snum | cnum | onum | rating | commission |
+------+------+------+--------+------------+
| 1002 | 2003 | 3005 |    200 |     670.86 |
| 1003 | 2002 | 3009 |    200 |     171.32 |
| 1007 | 2008 | 3001 |    300 |       2.80 |
| 1007 | 2008 | 3006 |    300 |     164.72 |
| 1007 | 2004 | 3007 |    300 |      11.36 |
| 1007 | 2004 | 3010 |    300 |     196.49 |
+------+------+------+--------+------------+
6 rows in set (0.00 sec)
```