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.

```
W1_Minal_93084>SELECT o.onum, c.cname
    -> FROM Orders o
    -> JOIN Customers c ON o.cnum = c.cnum;
+-------+----------+
| onum  | cname    |
+-------+----------+
|  3001 | Cisneros |
|  3003 | Hoffman  |
|  3002 | Pereira  |
|  3005 | Liu      |
|  3006 | Cisneros |
|  3009 | Giovanni |
|  3007 | Grass    |
|  3008 | Clemens  |
|  3010 | Grass    |
|  3011 | Clemens  |
+-------+----------+
10 rows in set (0.02 sec)
```

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

```
W1_Minal_93084>SELECT o.onum,
    -> c.cname AS customer_name,
    -> s.sname AS salesperson_name
    -> FROM Orders o
    -> JOIN Customers c ON o.cnum = c.cnum
    -> JOIN Salespeople s ON o.snum = s.snum;
+-------+---------------+------------------+
| onum  | customer_name | salesperson_name |
+-------+---------------+------------------+
|  3003 | Hoffman       | Peel             |
|  3009 | Giovanni      | Axelrod          |
|  3005 | Liu           | Serres           |
|  3010 | Grass         | Serres           |
|  3007 | Grass         | Serres           |
|  3011 | Clemens       | Peel             |
|  3008 | Clemens       | Peel             |
|  3006 | Cisneros      | Rifkin           |
|  3001 | Cisneros      | Rifkin           |
|  3002 | Pereira       | Motika           |
+-------+---------------+------------------+
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.

```
W1_Minal_93084>SELECT c.cname AS customer_name,
    -> s.sname AS salesperson_name,
    -> s.comm  AS commission_rate
    -> FROM Customers c
    -> JOIN Salespeople s ON c.snum = s.snum
    ->  WHERE s.comm > 0.12;
+-----------------+-------------------+-----------------+
| customer_name   | salesperson_name  | commission_rate |
+-----------------+-------------------+-----------------+
| Liu             | Serres            |            0.13 |
| Grass           | Serres            |            0.13 |
| Cisneros        | Rifkin            |            0.15 |
+-----------------+-------------------+-----------------+
3 rows in set (0.01 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.

```
W1_Minal_93084>SELECT o.onum,
    -> o.snum,
    -> o.amt * s.comm AS commission_amount
    -> FROM Orders o
    -> JOIN Customers c ON o.cnum = c.cnum
    -> JOIN Salespeople s ON o.snum = s.snum
    -> WHERE c.rating > 100;
+------+------+-------------------+
| onum | snum | commission_amount |
+------+------+-------------------+
| 3010 | 1002 | 170.29348740601563 |
| 3007 | 1002 |  9.847499638795853 |
| 3005 | 1002 | 670.8585007836809 |
| 3006 | 1007 |  164.724011672497 |
| 3001 | 1007 |  2.803500191509727 |
| 3009 | 1003 | 171.3230005997866 |
+------+------+-------------------+
6 rows in set (0.00 sec)
```