Assignment – 9

Querying Multiple Tables at Once.

Name: Tejas Rajendra Patil

PRN : 250240520094

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

```
mysql> select onum,cname
    -> from orders
    -> join customers ON
    -> customers.cnum=orders.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 (0.00 sec)
```

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

```
mysql> select orders.onum,salespeople.sname,customers.cname
    -> from orders
    -> join salespeople ON orders.snum = salespeople.snum
    -> join customers ON orders.cnum = customers.cnum;
+-------+--------+----------+
| onum  | sname  | cname    |
+-------+--------+----------+
|  3001 | Rifkin | Cisneros |
|  3003 | Peel   | Hoffman  |
|  3002 | Motika | Pereira  |
|  3005 | Serres | Liu      |
|  3006 | Rifkin | Cisneros |
|  3009 | Axelrod| Giovanni |
|  3007 | Serres | Grass    |
|  3008 | Peel   | clemens  |
|  3010 | Serres | Grass    |
|  3011 | Peel   | clemens  |
+-------+--------+----------+
10 rows in set (0.02 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.

```
mysql> select cname,sname,comm
    -> from customers
    -> join orders ON customers.cnum=orders.cnum
    -> join salespeople ON orders.snum=salespeople.snum
    -> where comm > 0.12;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Cisneros | Rifkin | 0.15 |
| Liu      | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
| Grass    | Serres | 0.13 |
| Grass    | Serres | 0.13 |
+----------+--------+------+
5 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.

```
mysql> select onum,cname,sname,amt*(comm/100) as commision
    -> from orders
    -> join customers ON orders.cnum=customers.cnum
    -> join salespeople ON orders.snum=salespeople.snum
    -> where rating > 100;
+------+----------+---------+-----------+
| onum | cname    | sname   | commision |
+------+----------+---------+-----------+
| 3010 | Grass    | Serres  |  1.702935 |
| 3007 | Grass    | Serres  |  0.098475 |
| 3005 | Liu      | Serres  |  6.708585 |
| 3006 | Cisneros | Rifkin  |  1.647240 |
| 3001 | Cisneros | Rifkin  |  0.028035 |
| 3009 | Giovanni | Axelrod |  1.713230 |
+------+----------+---------+-----------+
6 rows in set (0.01 sec)
```