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.

```
W2_89692_Aditya>SELECT
    ->      Orders.Onum AS OrderNumber,
    ->      Customers.Cname AS CustomerName
    -> FROM
    ->      Orders
    -> JOIN
    ->      Customers ON Orders.Cnum = Customers.Cnum;
+-------------+--------------+
| OrderNumber | CustomerName |
+-------------+--------------+
|        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.

```
W2_89692_Aditya>select Onum,Sname,Cname from salespeople,orders,customers WHERE Orders.Snum=Customers.Snum AND Orders.Snum=Salespeople
.Snum Group By Onum,Sname,Cname ORDER By 1;
+------+---------+----------+
| Onum | Sname   | Cname    |
+------+---------+----------+
| 3001 | Rifkin  | Cisneros |
| 3002 | Motika  | Pereira  |
| 3003 | Peel    | Clemens  |
| 3003 | Peel    | Hoffman  |
| 3005 | Serres  | Grass    |
| 3005 | Serres  | Liu      |
| 3006 | Rifkin  | Cisneros |
| 3007 | Serres  | Grass    |
| 3007 | Serres  | Liu      |
| 3008 | Peel    | Clemens  |
| 3008 | Peel    | Hoffman  |
| 3009 | Axelrod | Giovanni |
| 3010 | Serres  | Grass    |
| 3010 | Serres  | Liu      |
| 3011 | Peel    | Clemens  |
| 3011 | Peel    | Hoffman  |
+------+---------+----------+
16 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.

```
W2_89692_Aditya>select cname,s.snum,comm*100 "RATE OF COMM." from customers
c,salespeople S WHERE c.snum=s.snum AND comm>.12;
+----------+------+---------------+
| cname    | snum | RATE OF COMM. |
+----------+------+---------------+
| Liu      | 1002 |         13.00 |
| Grass    | 1002 |         13.00 |
| Cisneros | 1007 |         15.00 |
+----------+------+---------------+
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.

```
W2_89692_Aditya>select amt,comm from salespeople JOIN customers using(snum) JOIN orders using(snum) WHERE rating>100;
+---------+------+
| amt     | comm |
+---------+------+
|   18.69 | 0.15 |
| 5160.45 | 0.13 |
| 5160.45 | 0.13 |
| 1098.16 | 0.15 |
| 1713.23 | 0.10 |
|   75.75 | 0.13 |
|   75.75 | 0.13 |
| 1309.95 | 0.13 |
| 1309.95 | 0.13 |
+---------+------+
9 rows in set (0.00 sec)
```