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.

```
W3_84107_Aboli>select Onum ,Cname from ORDERS,CUSTOMERS WHERE 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 (0.01 sec)
```

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

```
W3_84107_Aboli>select Sname,Cname,Onum from SALEPEOPLE,CUSTOMERS,ORDERS where CUSTOMERS.Cnum=ORDERS.Cnum and  SALEPEOPLE.Snum=ORDERS.Snum;
+---------+----------+------+
| Sname   | Cname    | Onum |
+---------+----------+------+
| Peel    | Hoffman  | 3003 |
| Axelrod | Giovanni | 3009 |
| Serres  | Liu      | 3005 |
| Serres  | Grass    | 3010 |
| Serres  | Grass    | 3007 |
| Peel    | Clemens  | 3011 |
| Peel    | Clemens  | 3008 |
| Rifkin  | Cisneros | 3006 |
| Rifkin  | Cisneros | 3001 |
| Motika  | Pereira  | 3002 |
+---------+----------+------+
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.

```
W3_84107_Aboli>select Sname,Cname,Comm*0.12 from CUSTOMERS,SALEPEOPLE where Comm>0.12;
+--------+----------+-----------+
| Sname  | Cname    | Comm*0.12 |
+--------+----------+-----------+
| Rifkin | Hoffman  |      0.02 |
| Serres | Hoffman  |      0.02 |
| Rifkin | Giovanni |      0.02 |
| Serres | Giovanni |      0.02 |
| Rifkin | Liu      |      0.02 |
| Serres | Liu      |      0.02 |
| Rifkin | Grass    |      0.02 |
| Serres | Grass    |      0.02 |
| Rifkin | Clemens  |      0.02 |
| Serres | Clemens  |      0.02 |
| Rifkin | Cisneros |      0.02 |
| Serres | Cisneros |      0.02 |
| Rifkin | Pereira  |      0.02 |
| Serres | Pereira  |      0.02 |
+--------+----------+-----------+
14 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.

```
W3_84107_Aboli>select Cname,Sname,Onum,Rating,Amt*Comm 'AMOUNT' from CUSTOMERS,SALEPEOPLE,ORDERS where CUSTOMERS.Cnum=ORDERS.Cnum and SALEPEOPLE.Snum=ORD
ERS.Snum and Rating>100 order by Rating;
+----------+---------+------+--------+--------+
| Cname    | Sname   | Onum | Rating | AMOUNT |
+----------+---------+------+--------+--------+
| Liu      | Serres  | 3005 |    200 | 670.86 |
| Giovanni | Axelrod | 3009 |    200 | 171.32 |
| Grass    | Serres  | 3010 |    300 | 170.29 |
| Grass    | Serres  | 3007 |    300 |   9.85 |
| Cisneros | Rifkin  | 3006 |    300 | 164.72 |
| Cisneros | Rifkin  | 3001 |    300 |   2.80 |
+----------+---------+------+--------+--------+
6 rows in set (0.00 sec)

W3_84107_Aboli>
```