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.

```
D2_92814_Krushna>select Onum , Cname from orders,customers where
 orders.Cnum = customers.Cnum ;
+------+---------+
| Onum | Cname   |
+------+---------+
| 3001 | Pereira |
| 3003 | Hoffman |
| 3005 | Pereira |
| 3006 | Pereira |
| 3009 | Giovanni|
| 3007 | Grass   |
| 3008 | Clemens |
| 3010 | Grass   |
| 3011 | Clemens |
| 3020 | Giovanni|
+------+---------+
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.

```
D2_92814_Krushna>SELECT o.onum, c.cname AS Customer_Name, s.snam
e 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       | Rifkin          |
| 3020 | Giovanni      | Axelrod         |
| 3009 | Giovanni      | Axelrod         |
| 3010 | Grass         | Serres          |
| 3007 | Grass         | Serres          |
| 3011 | Clemens       | Peel            |
| 3008 | Clemens       | Peel            |
| 3006 | Pereira       | Rifkin          |
| 3005 | Pereira       | Rifkin          |
| 3001 | Pereira       | Rifkin          |
+------+---------------+-----------------+
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.

```
D2_92814_Krushna>select customers.Cname , salespeople.Sname , sa
lespeople.Comm from customers , salespeople where salespeople.Sn
um = customers.Snum AND salespeople.Comm > 0.12 ;
+--------+---------+------+
| Cname  | Sname   | Comm |
+--------+---------+------+
| Liu    | Serres  | 0.13 |
| Grass  | Serres  | 0.13 |
+--------+---------+------+
2 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;

```
D2_92814_Krushna>SELECT o.onum, o.amt * s.comm FROM Orders o, Cu
stomers c, Salespeople s WHERE o.cnum=c.cnum AND o.snum=s.snum A
ND c.rating>100;
+------+-----------------+
| onum | o.amt * s.comm  |
+------+-----------------+
| 3010 |          170.29 |
| 3007 |            9.85 |
| 3006 |          164.72 |
| 3005 |          774.07 |
| 3001 |            2.80 |
| 3020 |            NULL |
| 3009 |          171.32 |
+------+-----------------+
7 rows in set (0.00 sec)
```