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.

```
KD3_86728_mayur_pawar@>select cname, onum from customers, orders where c
ustomers.cnum = orders.cnum;
+----------+------+
| cname    | onum |
+----------+------+
| Cisneros | 3001 |
| MAYUR    | 3003 |
| Pereira  | 3002 |
| Liu      | 3005 |
| Cisneros | 3006 |
| Giovanni | 3009 |
| Grass    | 3007 |
| Clemens  | 3008 |
| Grass    | 3010 |
| Clemens  | 3011 |
+----------+------+
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.

```
KD3_86728_mayur_pawar@>select onum, sname , cname from orders, customers
, salespeople where orders.cnum = customers.cnum and orders.snum = sales
people.snum;
+------+---------+----------+
| onum | sname   | cname    |
+------+---------+----------+
| 3003 | Peel    | MAYUR    |
| 3009 | Axelrod | Giovanni |
| 3005 | Serres  | Liu      |
| 3010 | Serres  | Grass    |
| 3007 | Serres  | Grass    |
| 3011 | Peel    | Clemens  |
| 3008 | Peel    | Clemens  |
| 3006 | Rifkin  | Cisneros |
| 3001 | Rifkin  | Cisneros |
| 3002 | Motika  | Pereira  |
+------+---------+----------+
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.

```
KD3_86728_mayur_pawar@>select cname, sname, comm from salespeople, custo
mers where comm > 0.12 and salespeople.snum = customers.snum;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+----------+--------+------+
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.

```
KD3_86728_mayur_pawar@>select onum,orders.snum, rating,comm, amt*comm fr
om orders, customers, salespeople where customers.cnum= orders.cnum and
orders.snum = salespeople.snum having rating >100;
+------+------+--------+------+----------+
| onum | snum | rating | comm | amt*comm |
+------+------+--------+------+----------+
| 3009 | 1003 |    200 | 0.10 |   171.32 |
| 3005 | 1002 |    200 | 0.13 |   670.86 |
| 3010 | 1002 |    300 | 0.13 |   170.29 |
| 3007 | 1002 |    300 | 0.13 |     9.85 |
| 3006 | 1007 |    300 | 0.15 |   164.72 |
| 3001 | 1007 |    300 | 0.15 |     2.80 |
+------+------+--------+------+----------+
6 rows in set (0.00 sec)
```