Assignment – 9

Querying Multiple Tables at Once.

Roll no: 87243

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

```
KD2-87243-kartik@>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 (0.00 sec)
```

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

```
KD2-87243-kartik@>select salespeople.sname, customers.cname, order
s.onum from salespeople, customers, orders where salespeople.snum
= customers.snum and customers.snum = orders.snum;
+---------+----------+------+
| sname   | cname    | onum |
+---------+----------+------+
| Rifkin  | Cisneros | 3001 |
| Peel    | Clemens  | 3003 |
| Peel    | Hoffman  | 3003 |
| Motika  | Pereira  | 3002 |
| Serres  | Grass    | 3005 |
| Serres  | Liu      | 3005 |
| Rifkin  | Cisneros | 3006 |
| Axelrod | Giovanni | 3009 |
| Serres  | Grass    | 3007 |
| Serres  | Liu      | 3007 |
| Peel    | Clemens  | 3008 |
| Peel    | Hoffman  | 3008 |
| Serres  | Grass    | 3010 |
| Serres  | Liu      | 3010 |
| Peel    | Clemens  | 3011 |
| Peel    | Hoffman  | 3011 |
+---------+----------+------+
16 rows in set (0.00 sec)

KD2-87243-kartik@>
```

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.

```
KD2-87243-kartik@>select cname, sname, comm from customers, salespeople where comm >0.12 and customers.snum = salespeople.snum;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+----------+--------+------+
3 rows in set (0.30 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.

```
KD2-87243-kartik@>select orders.onum, customers.rating, orders.amt
 *salespeople.comm "comm_amt" from orders, customers, salespeople
where salespeople.snum = customers.snum and customers.cnum = order
s.cnum having customers.rating > 100;
+------+--------+----------+
| onum | rating | comm_amt |
+------+--------+----------+
| 3001 |    300 |     2.80 |
| 3005 |    200 |   670.86 |
| 3006 |    300 |   164.72 |
| 3009 |    200 |   171.32 |
| 3007 |    300 |     9.85 |
| 3010 |    300 |   170.29 |
+------+--------+----------+
6 rows in set (0.41 sec)
```