Assignment 9

Querying Multiple Tables at Once.

1) Writeaquerythatlistseachordernumberfollowedbythenameofthecustomer who made the order.
select onum, cname from orders,customers
Where orders.cnum=customers.cnum;

```
[KD2-86650-Shivali@>select onum,cname from orders,customers where orders.cnum=customers.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.

select onum,sname,cname from customers,orders,salespeople
Where salespeople.snum=customers.snum
And customers.sum=orders.snum;

```
[KD2-86650-Shivali@>select onum, sname,cname from customers,orders,salespeople where salespeople.snum=customers.snum and customers.snum = orders.snum;
+------+--------+----------+
| onum | sname  | cname    |
+------+--------+----------+
| 3001 | Rifin  | Cisneros |
| 3003 | Peel   | Clemens  |
| 3003 | Peel   | Hoffman  |
| 3002 | Motika | Pereira  |
| 3005 | Serres | Grass    |
| 3005 | Serres | Liu      |
| 3006 | Rifin  | Cisneros |
| 3009 | Axelrod| Giovanni |
| 3007 | Serres | Grass    |
| 3007 | Serres | Liu      |
| 3008 | Peel   | Clemens  |
| 3008 | Peel   | Hoffman  |
| 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.

select cname, sname,comm from salespeople,customers
where salespeople.snum=customers.snum
And comm>0.12;

```
[KD2-86650-Shivali@>select cname,sname,comm from salespeople, customers
[    -> where salespeople.snum=customers.snum
[    -> and comm>0.12;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Serres | 0.13 |
| Cisneros | Rifin  | 0.15 |
+----------+--------+------+
3 rows in set (0.00 sec)
```

4) Writeaquerythatcalculatestheamountofthesalesperson'scommissiononeach order by a customer with a rating above 100.
select sname,comm,rating,amt*comm from orders,customers,salespeople
    where salespeople.snum=customers.snum
    and customers.snum=orders.snum
    having rating>100 order by sname;

```
[KD2-86650-Shivali@>select sname,comm,rating,amt*comm from orders,customers,salespeople
[    -> where salespeople.snum=customers.snum
[    -> and customers.snum=orders.snum
[    -> having rating>100 order by sname;
+---------+------+--------+--------------------+
| sname   | comm | rating | amt*comm           |
+---------+------+--------+--------------------+
| Axelrod | 0.1  |    200 | 171.3230005997866  |
| Rifin   | 0.15 |    300 |  164.724011672497  |
| Rifin   | 0.15 |    300 | 2.803500191509727  |
| Serres  | 0.13 |    200 | 170.29348740601563 |
| Serres  | 0.13 |    200 | 9.847499638795853  |
| Serres  | 0.13 |    200 | 670.8585007836809  |
| Serres  | 0.13 |    300 | 170.29348740601563 |
| Serres  | 0.13 |    300 | 9.847499638795853  |
| Serres  | 0.13 |    300 | 670.8585007836809  |
+---------+------+--------+--------------------+
9 rows in set (0.00 sec)
```