DBT Assignment-9

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

   select o.onum, c.cname from orders o, customers c
   where o.cnum = c.cnum;

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

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

   select o.onum, c.cname, s.sname from orders o
   join customers c on o.cnum = c.cnum
   join salespeople s on o.snum = s.snum;

```
mysql> select o.onum, c.cname, s.sname from orders o
    -> join customers c on o.cnum = c.cnum
    -> join salespeople s on o.snum = s.snum;
+------+----------+---------+
| onum | cname    | sname   |
+------+----------+---------+
| 3003 | Hoffman  | Peel    |
| 3009 | Giovanni | Axelrod |
| 3005 | Liu      | Serres  |
| 3010 | Grass    | Serres  |
| 3007 | Grass    | Serres  |
| 3011 | Clemens  | Peel    |
| 3008 | Clemens  | Peel    |
| 3006 | Cisneros | Rifkin  |
| 3001 | Cisneros | Rifkin  |
| 3002 | Pereira  | Motika  |
+------+----------+---------+
```

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 c.cname,s.sname, s.comm from salespeople s
join customers c on c.snum = s.snum
where s.comm > 0.12;

```
mysql> select c.cname,s.sname, s.comm from salespeople s
    -> join customers c on c.snum = s.snum
    -> where s.comm > 0.12;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+----------+--------+------+
```

4. Write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100.

select o.onum, s.sname, o.amt*s.comm CommissionAmount from orders o
join customers c on o.cnum = c.cnum
join salespeople s on o.snum = s.snum
where c.rating > 100;

```
mysql> select o.onum, s.sname, o.amt*s.comm CommissionAmount from orders o
    -> join customers c on o.cnum = c.cnum
    -> join salespeople s on o.snum = s.snum
    -> where c.rating > 100;
+------+--------+------------------+
| onum | sname  | CommissionAmount |
+------+--------+------------------+
| 3010 | Serres |           170.29 |
| 3007 | Serres |             9.85 |
| 3005 | Serres |           670.86 |
| 3006 | Rifkin |           164.72 |
| 3001 | Rifkin |             2.80 |
| 3009 | Axelrod|           171.32 |
+------+--------+------------------+
```