Assignment 9

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

Ans : select customers.cname , orders.onum from customers, orders where customers.cnum= orders.cnum;

```
KD3_86752_prathamesh@>select customers.cname , orders.onum from customers, orders
    -> where customers.cnum= orders.cnum;
+----------+------+
| cname    | onum |
+----------+------+
| Cisneros | 3001 |
| Hoffman  | 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.

Ans : select orders.onum, customers.cname , salespeople.sname from orders, customers, salespeople where orders.cnum = customers.cnum and orders.snum = salespeople.snum;

```
KD3_86752_prathamesh@> select orders.onum, customers.cname , salespeople.sna
me from orders, customers, salespeople
    -> where orders.cnum = customers.cnum and orders.snum = salespeople.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  |
+------+----------+---------+
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.

Ans : select customers.cname , salespeople.sname, salespeople.comm from customers, salespeople where salespeople.snum= customers.snum and comm>0.12;

```
KD3_86752_prathamesh@>select customers.cname , salespeople.sname, salespeopl
e.comm from customers, salespeople where salespeople.snum= customers.snum an
d comm>0.12;
+----------+--------+------+
| cname    | sname  | comm |
+----------+--------+------+
| Liu      | Serres | 0.13 |
| Grass    | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+----------+--------+------+
3 rows in set (0.01 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.

Ans : >SELECT orders.onum, salespeople.sname, customers.cname, orders.amt * salespeople.comm AS commission_amount

   -> FROM orders, salespeople, customers

   -> WHERE orders.snum = salespeople.snum

   -> AND orders.cnum = customers.cnum

   -> AND customers.rating > 100;

```
KD3_86752_prathamesh@>SELECT orders.onum, salespeople.sname, customers.cname
, orders.amt * salespeople.comm AS commission_amount
    -> FROM orders, salespeople, customers
    -> WHERE orders.snum = salespeople.snum
    -> AND orders.cnum = customers.cnum
    -> AND customers.rating > 100;
+------+---------+----------+-------------------+
| onum | sname   | cname    | commission_amount |
+------+---------+----------+-------------------+
| 3010 | Serres  | Grass    |           40.2935 |
| 3007 | Serres  | Grass    |            9.8475 |
| 3005 | Serres  | Liu      |          670.8585 |
| 3006 | Rifkin  | Cisneros |          164.7240 |
| 3001 | Rifkin  | Cisneros |            2.8035 |
| 3009 | Axelrod | Giovanni |          171.3230 |
+------+---------+----------+-------------------+
6 rows in set (0.00 sec)
```