

Assignment No : 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.

```
W2_87323_Dhanashri>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 (0.02 sec)

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

```
W2_87323_Dhanashri>SELECT
->    orders.Onum AS Order_Number,
->    customers.Cname AS Customer_Name,
->    salespeople.Sname AS Salesperson_Name
-> FROM
->    orders
-> JOIN
->    customers ON orders.Cnum = customers.Cnum
-> JOIN
->    salespeople ON orders.Snum = salespeople.Snum;
```

Order_Number	Customer_Name	Salesperson_Name
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)

```
W2_87323_Dhanashri>select onum,cname,sname from orders,customers,salespeople where customers.cnum = orders.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.

```
W2_87323_Dhanashri>select Cname ,Sname ,comm from Customers,salespeople where salespeople.snum = customers.snum And 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)

W2_87323_Dhanashri>select cname,Sname,comm from customers join salespeople on salespeople.snum=customers.snum And comm>0.12;
+-----+-----+-----+
| cname | Sname | comm |
+-----+-----+-----+
| Liu   | Serres | 0.13 |
| Grass | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+-----+-----+-----+
3 rows in set (0.00 sec)

W2_87323_Dhanashri>
```

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

```
W2_87323_Dhanashri>SELECT
->     orders.Onum AS Order_Number,
->     customers.Cname AS Customer_Name,
->     salespeople.Sname AS Salesperson_Name,
->     orders.Amt AS Order_Amount,
->     (orders.Amt * salespeople.Comm) AS Commission_Amount
-> FROM
->     orders
-> JOIN
->     customers ON orders.Cnum = customers.Cnum
-> JOIN
->     salespeople ON orders.Snum = salespeople.Snum
-> WHERE
->     customers.Rating > 100;
+-----+-----+-----+-----+-----+
| Order_Number | Customer_Name | Salesperson_Name | Order_Amount | Commission_Amount |
+-----+-----+-----+-----+-----+
| 3010 | Grass | Serres | 1309.95 | 170.29 |
| 3007 | Grass | Serres | 75.75 | 9.85 |
| 3005 | Liu | Serres | 5160.45 | 670.86 |
| 3006 | Cisneros | Rifkin | 1098.16 | 164.72 |
| 3001 | Cisneros | Rifkin | 18.69 | 2.80 |
| 3009 | Giovanni | Axelrod | 1713.23 | 171.32 |
+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

