

Assignment – 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.

Ans:-

```
D3_92975_siddarth>select Onum,Cname from orders,customers
-> where customers.Cnum = orders.Cnum
-> order by 2;
```

Onum	Cname
3001	Cisneros
3006	Cisneros
3008	Clemens
3011	Clemens
3009	Giovanni
3007	Grass
3010	Grass
3003	Hoffman
3005	Lio
3002	Pereira

10 rows in set (0.03 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:-

```
D3_92975_siddarth>select Sname, Cname,Onum
-> from orders,customers,salespeople
-> where salespeople.Snum = customers.Snum
-> and
-> customers.Cnum = orders.Cnum
-> order by Onum;
```

Sname	Cname	Onum
Rifkin	Cisneros	3001
Motika	Pereira	3002
peel	Hoffman	3003
Serres	Liu	3005
Rifkin	Cisneros	3006
Serres	Grass	3007
peel	Clemens	3008
Axelrod	Giovanni	3009
Serres	Grass	3010
peel	Clemens	3011

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:-

```
D3_92975_siddarth>select Cname,Sname,comm
-> from customers,salespeople
-> where salespeople.Snum = customers.Snum and comm > .12
-> order by 1;
```

Cname	Sname	comm
Cisneros	Rifkin	0.15
Grass	Serres	0.13
Liu	Serres	0.13

3 rows in set (0.04 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:-

```
D3_92975_siddarth>select Onum, Amt*comm "comm amt"  
-> from orders,customers,salespeople  
-> where salespeople.Snum = Customers.Snum and rating > 100  
-> and  
-> customers.cnum = orders.cnum  
-> order by 1;
```

Onum	comm amt
3001	2.80
3005	670.86
3006	164.72
3007	9.85
3009	171.32
3010	170.29

```
6 rows in set (0.00 sec)
```