

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: 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

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 salespeople.Sname,customers.Cname,orders.Onum

-> from salespeople,customers, orders

-> where orders.Cnum=customers.Cnum

-> and orders.Snum=salespeople.Snum;

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

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,Orders

-> where orders.Cnum=customers.cnum

-> and orders.Snum=salespeople.Snum

-> and salespeople.Comm>0.12;

Cname	Sname	Comm
Liu	Serres	0.13
Grass	Serres	0.13
Grass	Serres	0.13
Cisneros	Rifkin	0.15
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.

Ans:

```
SELECT Orders.Onum,Customers.Cname,Salespeople.Sname,  
-> (Orders.amt * Salespeople.comm) AS commission_amount  
-> from Orders,Customers,Salespeople  
-> where Orders.Cnum=Customers.Cnum and  
-> Orders.Snum=Salespeople.Snum and  
-> Customers.rating>100;
```

Onum	Cname	Sname	commission_amount
3010	Grass	Serres	170.29
3007	Grass	Serres	9.85
3005	Liu	Serres	670.86
3006	Cisneros	Rifkin	164.72
3001	Cisneros	Rifkin	2.80
3009	Giovanni	Axelrod	171.32