

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.

```
select onum, cname from orders,customers  
where customers.cnum=orders.cnum  
order by 1;
```

```
W1_89793_Saurabh>select onum, cname from orders,customers  
-> where customers.cnum=orders.cnum  
-> order by 1;  
  
+-----+-----+  
| onum |  cname  |  
+-----+-----+  
| 3001 | Cisneros |  
| 3002 | Pereira  |  
| 3003 | Hoffman  |  
| 3005 | Liu      |  
| 3006 | Cisneros |  
| 3007 | Grass    |  
| 3008 | Clemens  |  
| 3009 | Giovanni |  
| 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.

```
select sname, cname, onum from orders, customers,salespeople  
where orders.cnum=customers.cnum and  
salespeople.snum=customers.snum  
order by onum;
```

```
W1_89793_Saurabh>select sname, cname, onum from orders, customers,salespeople  
-> where orders.cnum=customers.cnum and  
-> salespeople.snum=customers.snum  
-> 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.

```
select cname, sname, comm from customers,salespeople  
where salespeople.snum=customers.snum and comm > .12  
order by comm;
```

```
W1_89793_Saurabh>select cname, sname, comm from customers,salespeople  
-> where salespeople.snum=customers.snum and comm > .12  
-> order by comm;  
+-----+-----+-----+  
| cname   | sname   | comm   |  
+-----+-----+-----+  
| Liu      | Serres   | 0.13   |  
| Grass    | Serres   | 0.13   |  
| Cisneros | Rifkin   | 0.15   |  
+-----+-----+-----+  
3 rows in set (0.00 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.

```
select onum,sname, amt*comm as comm_earn from orders,customers, salespeople  
where salespeople.snum=customers.snum and customers.cnum=orders.cnum and Rating>100 order by onum;
```

```
W1_89793_Saurabh>select onum,sname, amt*comm as comm_earn from orders,customers,  
salespeople  
-> where salespeople.snum=customers.snum and customers.cnum=orders.cnum and  
Rating>100 order by onum;  
+-----+-----+-----+  
| onum | sname   | comm_earn |  
+-----+-----+-----+  
| 3001 | Rifkin   | 2.80      |  
| 3005 | Serres   | 670.86    |  
| 3006 | Rifkin   | 164.72    |  
| 3007 | Serres   | 9.85      |  
| 3009 | Axelrod  | 171.32    |  
| 3010 | Serres   | 170.29    |  
+-----+-----+-----+  
6 rows in set (0.00 sec)
```