

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.

```
KD3_87283_omkar@>select onum,cname from orders,customers where orders.cnum=c
ustomers.cnum;
+-----+-----+
| onum | cname |
+-----+-----+
| 3001 | Cisneros |
| 3003 | Hoffman |
| 3002 | Pereira |
| 3005 | Liu |
| 3006 | Cisneros |
| 3009 | Glovanni |
| 3007 | Grass |
| 3008 | Clemens |
| 3010 | Grass |
| 3011 | Clemens |
+-----+-----+
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.

```
KD3_87283_omkar@>select cname,sname, onum from orders,customers ,salespeople
where orders.cnum=customers.cnum and orders.snum=salespeople.snum;
+-----+-----+-----+
| cname | sname | onum |
+-----+-----+-----+
| Hoffman | PEEL | 3003 |
| Glovanni | Axelrod | 3009 |
| Liu | Serres | 3005 |
| Grass | Serres | 3010 |
| Grass | Serres | 3007 |
| Clemens | PEEL | 3011 |
| Clemens | PEEL | 3008 |
| Cisneros | Rifkin | 3006 |
| Cisneros | Rifkin | 3001 |
| Pereira | Motika | 3002 |
+-----+-----+-----+
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.

```
KD3_87283_omkar@>select cname,sname, comm from customers,salespeople where c
omm>0.12 and customers.snum=salespeople.snum;
+-----+-----+-----+
| 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.

```
KD3_87283_omkar@>select onum,salespeople.comm*orders.amt as "salesperson com  
mision", rating,sname from orders,customers,salespeople where orders.snum=sa  
lespeople.snum and orders.cnum=customers.cnum having rating>100;
```

onum	salesperson commision	rating	sname
3009	171.32	200	Axelrod
3005	670.86	200	Serres
3010	170.29	300	Serres
3007	9.85	300	Serres
3006	164.72	300	Rifkin
3001	2.80	300	Rifkin

6 rows in set (0.00 sec)