

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_86927_Vivek@>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 (0.00 sec)

KD3_86927_Vivek@>
```

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

```
KD3_86927_Vivek@>SELECT SALESPEOPLE.SNAME,CUSTOMERS.CNAME,ORDERS.ONUM
-> FROM ORDERS,CUSTOMERS,SALESPEOPLE
-> WHERE ORDERS.SNUM = SALESPEOPLE.SNUM AND ORDERS.CNUM = CUSTOMERS.CNUM;

+-----+-----+-----+
| 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 |
+-----+-----+-----+
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_86927_Vivek@>SELECT CUSTOMERS.CNAME, SALESPEOPLE.SNAME, SALESPEOPLE.COMM
-> FROM CUSTOMERS, SALESPEOPLE
-> WHERE CUSTOMERS.SNUM = SALESPEOPLE.SNUM AND SALESPEOPLE.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)
```

- 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_86927_Vivek@>SELECT ORDERS.AMT * SALESPEOPLE.COMM AMOUNT, ORDERS.ONUM, CUSTOMERS.CNAME
-> FROM ORDERS, CUSTOMERS, SALESPEOPLE
-> WHERE ORDERS.CNUM = CUSTOMERS.CNUM AND ORDERS.SNUM = SALESPEOPLE.SNUM AND CUSTOMERS.RATING > 100;
+-----+-----+-----+
| AMOUNT | ONUM | CNAME |
+-----+-----+-----+
| 170.29 | 3010 | Grass |
| 9.85   | 3007 | Grass |
| 670.86 | 3005 | Liu   |
| 164.72 | 3006 | Cisneros |
| 2.80   | 3001 | Cisneros |
| 171.32 | 3009 | Giovanni |
+-----+-----+-----+
6 rows in set (0.00 sec)
```