

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_86672_saksham@>select onum,cname,sname from orders,customers,salespeople
  where orders.cnum = customers.cnum and salespeople.snum = customers.snum or
  der by onum;
+-----+-----+-----+
| onum | cname | sname |
+-----+-----+-----+
| 3001 | Cisneros | Rifkin |
| 3002 | Pereira | Motika |
| 3003 | Hoffman | Peel |
| 3005 | Liu | Serres |
| 3006 | Cisneros | Rifkin |
| 3007 | Grass | Serres |
| 3008 | Clemens | Peel |
| 3009 | Giovanni | Axelrod |
| 3010 | Grass | Serres |
| 3011 | Clemens | Peel |
+-----+-----+-----+
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_86672_saksham@>select sname,cname,comm,salespeople.snum from customers,s
alespeople
  -> where customers.snum = salespeople.snum;
+-----+-----+-----+-----+
| sname | cname | comm | snum |
+-----+-----+-----+-----+
| Peel | Hoffman | 0.12 | 1001 |
| Axelrod | Giovanni | 0.10 | 1003 |
| Serres | Liu | 0.13 | 1002 |
| Serres | Grass | 0.13 | 1002 |
| Peel | Clemens | 0.12 | 1001 |
| Rifkin | Cisneros | 0.15 | 1007 |
| Motika | Pereira | 0.11 | 1004 |
+-----+-----+-----+-----+
7 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_86672_saksham@>select sname,cname,comm,salespeople.snum from customers,s
alespeople
  -> where customers.snum = salespeople.snum
  -> having comm > 0.12;
+-----+-----+-----+-----+
| sname | cname | comm | snum |
+-----+-----+-----+-----+
| Serres | Liu | 0.13 | 1002 |
| Serres | Grass | 0.13 | 1002 |
| Rifkin | Cisneros | 0.15 | 1007 |
+-----+-----+-----+-----+
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_86672_saksham@>select onum, orders.snum,amt*comm,comm,rating from orders
,customers,salespeople where orders.cnum = customers.cnum and customers.snum
= salespeople.snum and rating > 100;
```

onum	snum	amt*comm	comm	rating
3001	1007	2.80	0.15	300
3005	1002	670.86	0.13	200
3006	1007	164.72	0.15	300
3009	1003	171.32	0.10	200
3007	1002	9.85	0.13	300
3010	1002	170.29	0.13	300

6 rows in set (0.00 sec)