

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 orders.onum, customers.cname from orders, customers where
customers.cnum = orders.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
orders, customers, salespeople where orders.cnum = customers.cnum and
customers.snum = salespeople.snum;
```

```
+-----+-----+-----+
| sname | cname  | onum |
+-----+-----+-----+
| Rifkin | Cisneros | 3001 |
| Peel   | Hoffman | 3003 |
| Motika | Pereira | 3002 |
| serres | Liu     | 3005 |
| Rifkin | Cisneros | 3006 |
| Axelrod | Giovanni | 3009 |
| serres | Grass   | 3007 |
| Peel   | Clemens | 3008 |
| serres | Grass   | 3010 |
| Peel   | Clemens | 3011 |
```

```
+-----+-----+-----+
```

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 c.cname,s.sname,c.rating from customers c,salespeople s where c.snum =
s.snum and rating > 0.12;
```

```
+-----+-----+-----+
| cname  | sname  | rating |
+-----+-----+-----+
| Clemens | Peel   | 100    |
| Hoffman | Peel   | 100    |
| Grass   | serres | 300    |
| Liu     | serres | 200    |
| Giovanni | Axelrod | 200    |
| Pereira | Motika | 100    |
| Cisneros | Rifkin | 300    |
+-----+-----+-----+
```

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 o.onum,c.cname,s.sname,o.amt, o.amt*s.comm comm from orders o join
customers c on c.cnum = o.cnum join salespeople s on o.snum = s.snum where
c.rating > 100;
```

```
+-----+-----+-----+-----+-----+
| onum | cname  | sname  | amt   | comm  |
+-----+-----+-----+-----+-----+
| 3010 | Grass  | serres | 1309.95 | 170.29 |
| 3007 | Grass  | serres | 75.75  | 9.85  |
| 3005 | Liu    | serres | 5160.45 | 670.86 |
| 3009 | Giovanni | Axelrod | 1713.23 | 171.32 |
| 3006 | Cisneros | Rifkin | 1098.16 | 164.72 |
| 3001 | Cisneros | Rifkin | 18.69  | 2.80  |
+-----+-----+-----+-----+-----+
```