

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.

```
mysql> SELECT
->     orders.Onum AS 'Order Number',
->     customers.Cname AS 'Customer Name'
-> FROM orders
-> JOIN customers ON orders.Cnum = customers.Cnum;
```

Order Number	Customer Name
3003	Hoffman
3009	Giovanni
3005	Liu
3007	Grass
3010	Grass
3008	Clemens
3011	Clemens
3002	Pereira
3001	Cisneros
3006	Cisneros

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.

```
mysql> SELECT
-> orders.Onum AS 'Order Number',
-> customers.Cname AS 'Customer Name',
-> salespeople.Sname AS 'Salesperson Name'
-> FROM orders
-> JOIN customers ON orders.Cnum = customers.Cnum
-> JOIN salespeople ON orders.Snum = salespeople.Snum;
```

Order Number	Customer Name	Salesperson Name
3003	Hoffman	Peel
3008	Clemens	Peel
3011	Clemens	Peel
3005	Liu	Serres
3007	Grass	Serres
3010	Grass	Serres
3009	Giovanni	Axelrod
3002	Pereira	Motika
3001	Cisneros	Rifkin
3006	Cisneros	Rifkin

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.

```
mysql> SELECT
  -> customers.Cname AS 'Customer Name',
  -> salespeople.Sname AS 'Salesperson Name',
  -> salespeople.Comm AS 'Commission Rate'
  -> FROM customers
  -> JOIN salespeople ON customers.Snum = salespeople.Snum
  -> WHERE salespeople.Comm > 0.12;
```

Customer Name	Salesperson Name	Commission Rate
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.

```
mysql> SELECT
  -> orders.Onum AS 'Order Number',
  -> customers.Cname AS 'Customer Name',
  -> orders.Amt AS 'Order Amount',
  -> salespeople.Sname AS 'Salesperson Name',
  -> orders.Amt * salespeople.Comm AS 'Commission Amount'
  -> FROM orders
  -> JOIN customers ON orders.Cnum = customers.Cnum
  -> JOIN salespeople ON orders.Snum = salespeople.Snum
  -> WHERE customers.Rating > 100;
```

Order Number	Customer Name	Order Amount	Salesperson Name	Commission Amount
3009	Giovanni	1713.23	Axelrod	171.32
3005	Liu	5160.45	Serres	670.86
3007	Grass	75.75	Serres	9.85
3010	Grass	1309.95	Serres	170.29
3001	Cisneros	18.69	Rifkin	2.80
3006	Cisneros	1098.16	Rifkin	164.72

6 rows in set (0.00 sec)