

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 Onum,Cname From Orders Join Customers On orders.Cnum=Customers.Cnum;
+-----+-----+
| Onum | Cname |
+-----+-----+
| 3001 | Cisneros |
| 3002 | Pereira |
| 3003 | Hoffman |
| 3005 | Liu |
| 3006 | Cisneros |
| 3007 | Grass |
| 3008 | Clemens |
| 3009 | Giovanni |
| 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.

```
mysql> SELECT
->     o.Onum AS OrderNumber,
->     c.Cname AS CustomerName,
->     s.Sname AS SalespersonName
-> FROM
->     Orders o
-> JOIN
->     Customers c ON o.Cnum = c.Cnum
-> JOIN
->     Salespeople s ON o.Snum = s.Snum;
+-----+-----+-----+
| OrderNumber | CustomerName | SalespersonName |
+-----+-----+-----+
|          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 (0.01 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
->     Cname AS CustomerName,
->     Sname AS SalespersonName,
->     Comm AS CommissionRate
-> FROM
->     Customers
-> JOIN
->     Salespeople ON Customers.Snum = Salespeople.Snum
-> WHERE
->     Comm > 0.12;
```

CustomerName	SalespersonName	CommissionRate
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
->     o.Amt AS OrderAmount,
->     s.Comm AS CommissionRate,
->     (o.Amt * s.Comm) AS CommissionAmount
-> FROM
->     Orders o
-> JOIN
->     Customers c ON o.Cnum = c.Cnum
-> JOIN
->     Salespeople s ON o.Snum = s.Snum
-> WHERE
->     c.Rating > 100;
```

OrderAmount	CommissionRate	CommissionAmount
18.69	0.15	2.80
5160.45	0.13	670.86
1098.16	0.15	164.72
75.75	0.13	9.85
1713.23	0.10	171.32
1309.95	0.13	170.29

6 rows in set (0.00 sec)