

Assignment no 9 :

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.

```
Administrator: Command Pro x + v
JOIN CUST' at line 1
mysql> SELECT O.Onum, C.Cname
-> FROM ORDERS O
-> JOIN CUSTOMERS C ON O.Cnum = C.Cnum;
+-----+-----+
| Onum | Cname |
+-----+-----+
| 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)

mysql> SELECT O.Onum, C.Cname, S.Sname
-> FROM ORDERS O
-> JOIN CUSTOMERS C ON O.Cnum = C.Cnum
-> JOIN SALESPeOPLE S ON O.Snum = S.Snum;
+-----+-----+-----+
| Onum | Cname | Sname |
+-----+-----+-----+
| 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)

mysql>
```

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

```
Administrator: Command Pro x + v
JOIN CUST' at line 1
mysql> SELECT O.Onum, C.Cname
-> FROM ORDERS O
-> JOIN CUSTOMERS C ON O.Cnum = C.Cnum;
+-----+-----+
| Onum | Cname |
+-----+-----+
| 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)

mysql> SELECT O.Onum, C.Cname, S.Sname
-> FROM ORDERS O
-> JOIN CUSTOMERS C ON O.Cnum = C.Cnum
-> JOIN SALESPeOPLE S ON O.Snum = S.Snum;
+-----+-----+-----+
| Onum | Cname | Sname |
+-----+-----+-----+
| 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)

mysql>
```

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.

```
Administrator: Command Pro x + v
| 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)

mysql> SELECT C.Cname, S.Sname, S.Comm
-> FROM CUSTOMERS C
-> JOIN SALESPeOPLE S ON C.Snum = S.Snum
-> WHERE S.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)

mysql> SELECT O.Onum, C.Cname, S.Sname, (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;
+-----+
| Onum | Cname | Sname | CommissionAmount |
+-----+
| 3009 | Giovanni | Axelrod | 171.32 |
| 3005 | Liu | Serres | 670.86 |
| 3007 | Grass | Serres | 9.85 |
| 3010 | Grass | Serres | 170.29 |
| 3001 | Cisneros | Rifkin | 2.80 |
| 3006 | Cisneros | Rifkin | 164.72 |
+-----+
6 rows in set (0.00 sec)

mysql> |
```

4) Write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100.

```
Administrator: Command Pro x + v
| 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)

mysql> SELECT C.Cname, S.Sname, S.Comm
-> FROM CUSTOMERS C
-> JOIN SALESPeOPLE S ON C.Snum = S.Snum
-> WHERE S.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)

mysql> SELECT O.Onum, C.Cname, S.Sname, (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;
+-----+
| Onum | Cname | Sname | CommissionAmount |
+-----+
| 3009 | Giovanni | Axelrod | 171.32 |
| 3005 | Liu | Serres | 670.86 |
| 3007 | Grass | Serres | 9.85 |
| 3010 | Grass | Serres | 170.29 |
| 3001 | Cisneros | Rifkin | 2.80 |
| 3006 | Cisneros | Rifkin | 164.72 |
+-----+
6 rows in set (0.00 sec)

mysql> |
```