

Assignment –6
Using Special Operators in Conditions.

- 1) Write two different queries that would produce all orders taken on October 3rd or 4th, 1990.
- 2) Write a query that selects all of the customers serviced by Peel or Motika.
(Hint: the snum field relates the two tables to one another).
- 3) Write a query that will produce all the customers whose names begin with a letter from 'A' to 'G'.
- 4) Write a query that selects all customers whose names begin with the letter 'C'.
- 5) Write a query that selects all orders except those with zeroes or NULLs in the amt field.

```
mysql> select * from orders where Odate In ('1990-10-03','1990-10-04');
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> select * from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2007 | Pereira | Rome | 100 | 1004 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> select * from salespeople;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1003 | Axelrod | New York | 0.10 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from customers where Snum In (select Snum from salespeople where sname In('Peel','Motika'));
```

```
MySQL 9.0 Command Line CL x + v
mysql> select * from customers where Snum In (select Snum from salespeople where sname In('Peel','Motika'));
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2006 | Clemens | London | 100 | 1001 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> select * from customers where cname>='A' And cname<'H';
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customers where Cname='C%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'C%' at line 1
mysql> select * from customers where Cname='C%';
Empty set (0.00 sec)

mysql> SELECT *
-> FROM orders
-> WHERE amt IS NOT NULL AND amt <> 0;
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
+-----+-----+-----+-----+
Show desktop
```

```
MySQL 9.0 Command Line CL x + v
3 rows in set (0.01 sec)

mysql> select * from customers where cname>='A' And cname<'H';
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customers where Cname='C%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'C%' at line 1
mysql> select * from customers where Cname='C%';
Empty set (0.00 sec)

mysql> SELECT *
-> FROM orders
-> WHERE amt IS NOT NULL AND amt <> 0;
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> |
```