

Assignment –6 Using Special Operators in Conditions.

1) Write two different queries that would produce all orders taken on October 3rd or 4 th, 1990.

```
Command Prompt - mysql -u KD2-87199-PRATHAMESH -p
KD2-87199-PRATHAMESH@>select * from orders where odate=any('1990-10-03', '1990-10-04');
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 ''1990-10-03', '1990-10-04')' at line 1
KD2-87199-PRATHAMESH@>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 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>select * from orders where odate='1990-10-03' or odate='1990-10-04';
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>
```

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).

See below

```
Command Prompt - mysql -u KD2-87199-PRATHAMESH -p
KD2-87199-PRATHAMESH@>select cname from customers where snum in(select snum from salespeople where sname in('Peel', 'Motika'));
+-----+
| cname |
+-----+
| Hoffman |
| Clemons |
| Pereira |
+-----+
3 rows in set (0.01 sec)

KD2-87199-PRATHAMESH@>
```

3) Write a query that will produce all the customers whose names begin with a letter from 'A' to 'G'.

```
Command Prompt - mysql -u KD2-87199-PRATHAMESH -p
7 rows in set, 15 warnings (0.04 sec)

KD2-87199-PRATHAMESH@>select cname from customers where cname between 'A' and 'H';
+-----+
| cname |
+-----+
| Giovanni |
| Grass |
| Clemons |
| Cisneros |
+-----+
4 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>select cname from customers where cname>='A' and cname<='H';
+-----+
| cname |
+-----+
| Giovanni |
| Grass |
| Clemons |
| Cisneros |
+-----+
4 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>
```

4) Write a query that selects all customers whose names begin with the letter 'C'.

```
Command Prompt - mysql -u KD2-87199-PRATHAMESH -p

KD2-87199-PRATHAMESH@>select cname from customers where cname like 'C%';
+-----+
| cname |
+-----+
| Clemons |
| Cisneros |
+-----+
2 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>
```

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5) Write a query that selects all orders except those with zeroes or NULLs in the amt field.

```
Command Prompt - mysql -u KD2-87199-PRATHAMESH -p

1 row in set (0.00 sec)

KD2-87199-PRATHAMESH@>select * from orders where amt!=null or amt!=0;
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

KD2-87199-PRATHAMESH@>
```

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