

Assignment – 6 Solution

Using Special Operators in Conditions

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

```
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 |
| 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)
```

```
mysql> select * from orders
-> where odate between '1990-10-03' and '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)
```

- 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).

```
mysql> select cname,sname from customer
      -> join salespeople
      -> on customer.snum = salespeople.snum
      -> where salespeople.sname in ('Peel', 'Motika');
+-----+-----+
| cname | sname |
+-----+-----+
| Hoffman | Peel |
| Clemens | Peel |
| Pereira | Motika |
+-----+-----+
3 rows in set (0.00 sec)
```

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

```
mysql> select cname from customer
      -> where cname >='A' and cname < 'H';
+-----+
| cname |
+-----+
| Giovanni |
| Grass |
| Clemens |
| Cisneros |
+-----+
4 rows in set (0.00 sec)
```

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

```
mysql> select cname from customer
      -> where cname like 'C%';
+-----+
| cname |
+-----+
| Clemens |
| Cisneros |
+-----+
2 rows in set (0.00 sec)
```

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

```
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 |  
| 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 | 9891.00 | 1990-10-06 | 2006 | 1001 |  
+-----+-----+-----+-----+-----+
```

```
10 rows in set (0.00 sec)
```