## Assignment -6

Using Special Operators in Conditions.

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

```
mysql>
mysql> select * from orders where Odate between '1990-10-03' and '1990-10-04';
  Onum
                   0date
                                 Cnum
                    1990-10-03
  3001
           18.69
                                 2008
                                         1007
  3003
          767.19
                    1990-10-03
                                 2001
                                         1001
          1900.1
  3002
                   1990-10-03
                                 2007
                                         1004
                                         1002
  3005
         5160.45
                   1990-10-03
                                 2003
         1098.16
                   1990-10-03
                                         1007
  3006
                                 2008
                                 2002
  3009
         1713.23
                   1990-10-04
                                         1003
  3007
           75.75
                   1990-10-04
                                 2004
                                         1002
7 rows in set (0.00 sec)
mysql> select * from orders where Odate in( '1990-10-03', '1990-10-04');
 Onum
         Amt
                   0date
                                 Cnum
                                         Snum
           18.69
                   1990-10-03
                                 2008
  3001
                                         1007
  3003
          767.19
                   1990-10-03
                                 2001
                                         1001
  3002
          1900.1
                   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
```

Ans:

```
mysql> select * from orders where Odate in( '1990-10-03', '1990-10-04');
Or,
mysql> select * from orders where Odate between '1990-10-03' and '1990-10-04';
```

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 * from customers;
                                Rating |
                    City
                                         Snum
        Cname
  Cnum
  2001
         Hoffman
                     London
                                         1001
                                   100
                    London
  2006
        Clemens
                                   100
                                         1001
  2002
         Giovanni
                     Rome
                                         1003
                                   200
                     San Jose
         Liu
  2003
                                         1002
                                   200
                    Berlin
  2004
         Grass
                                   300
                                         1002
  2008
         Cisneros
                     San Jose
                                   300
                                         1007
        Pereira
                                         1004
  2007
                                   100
                    Rome
7 rows in set (0.00 sec)
mysql> select * from salespeople;
                  City
  Snum
        Sname
                                Comm
  1001
         Peel
                    London
                                0.12
                   New York
  1003
         Axelrod
                                 0.1
         Serres
                    San Jose
  1002
                                0.13
  1004
        Motika
                  London
                                0.11
         Rifkin
                   Barcelona
  1007
                                0.15
mysql> SELECT c.*
    -> FROM customers c
    -> JOIN salespeople s ON c.snum = s.snum
    -> WHERE s.sname IN ('Peel', 'Motika');
         Cname
                    City
                              Rating
  Cnum l
                                       Snum
         Hoffman
                    London
  2001
                                       1001
                                 100
  2006
         Clemens
                    London
                                 100
                                       1001
  2007
         Pereira
                    Rome
                                       1004
                                 100
```

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

Ans:

```
mysql> SELECT * from customers
-> WHERE cname >= 'A' AND cname < 'H';
```

```
mysql> SELECT * from customers
    -> WHERE cname >= 'A'
                            AND cname <
                                 Rating
  Cnum
         Cname
                     City
                                           Snum
  2006
         Clemens
                     London
                                     100
                                           1001
                                           1003
  2002
         Giovanni
                     Rome
                                     200
                     Berlin
  2004
                                     300
                                           1002
         Grass
  2008
         Cisneros
                     San Jose
                                     300
                                           1007
 rows in set (0.00 sec)
```

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

Ans:

## mysql> SELECT \* from customers

-> where cname like 'c%';

```
mysql> SELECT * from customers
    -> where cname like 'c%':
                     City
                                 Rating
                                            Snum
  Cnum
                     London
  2006
                                           1001
         Clemens
                                     100
  2008
                      San Jose
                                     300
                                           1007
2 rows in set (0.00 sec)
```

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

Ans:

```
mysql> SELECT *
    -> FROM orders
       WHERE amt IS NOT NULL
       AND amt <> 0;
  Onum
         Amt
                    0date
                                   Cnum
                                           Snum
                                   2008
  3001
            18.69
                     1990-10-03
                                           1007
  3003
           767.19
                     1990-10-03
                                   2001
                                           1001
  3011
         9891.88
                     1990-10-06
                                   2006
                                           1001
  3002
           1900.1
                                   2007
                     1990-10-03
                                           1004
  3005
         5160.45
                     1990-10-03
                                   2003
                                           1002
  3006
         1098.16
                     1990-10-03
                                   2008
                                           1007
  3009
         1713.23
                                   2002
                     1990-10-04
                                           1003
                                           1002
  3007
            75.75
                     1990-10-04
                                   2004
             4723
                     1990-10-05
  3008
                                   2006
                                           1001
  3010
         1309.95
                     1990-10-06
                                   2004
                                           1002
10 rows in set (0.00 sec)
```

Or

```
mysql> SELECT * from orders
    -> WHERE amt IS NOT NULL
      AND amt != 0;
                    0date
                                          Snum
  Onum
         Amt
                                   Cnum
  3001
            18.69
                    1990-10-03
                                   2008
                                          1007
  3003
          767.19
                    1990-10-03
                                   2001
                                          1001
  3011
         9891.88
                    1990-10-06
                                   2006
                                          1001
  3002
          1900.1
                    1990-10-03
                                   2007
                                          1004
         5160.45
  3005
                    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
                    1990-10-05
                                   2006
                                          1001
         1309.95
  3010
                    1990-10-06
                                   2004
                                          1002
10 rows in set (0.00 sec)
```