Assignment -6

Using Special Operators in Conditions

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

```
Ans. Select * from Orders where Odate= '1990-10-03' OR Odate= '1990-10-04';

Select * from Orders where NOT (Odate = '1990-10-05' OR Odate= '1990-10-06');

Select * from orders where odate between '1990-10-03' and '1990-10-04';
```

```
D2_92810_Chaitanya>Select * from Orders where Odate= '1990-10-03' OR Odate= '1990-10-04';
  Onum
         Amt
                    Odate
                                  Cnum
                                         Snum
           18.69
                    1990-10-03
                                  2008
                                         1007
  3001
  3003
                    1990-10-03
                                         1001
          767.19
                                  2001
         1900.10
                    1990-10-03
                                  2007
                                         1004
  3002
         5160.45
                    1990-10-03
                                         1002
  3005
                                  2003
  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)
```

```
D2_92810_Chaitanya>Select * from Orders where NOT (Odate = '1990-10-05' OR Odate= '1990-10-06');
 Onum
         Amt
                    0date
                                   Cnum
                                           Snum
            18.69
                     1990-10-03
                                   2008
  3001
                                           1007
                     1990-10-03
1990-10-03
           767.19
  3003
                                   2001
                                           1001
          1900.10
                                   2007
                                           1004
  3002
                     1990-10-03
  3005
          5160.45
                                   2003
                                           1002
  3006
          1098.16
                     1990-10-03
                                   2008
                                           1007
  3009
          1713.23
                     1990-10-04
                                   2002
                                           1003
            75.75
                     1990-10-04
                                   2004
  3007
                                           1002
 rows in set (0.00 sec)
```

```
D2_92810_Chaitanya>Select * from orders where odate between '1990-10-03' and '1990-10-04';
  Onum
                    Odate
         Amt
                                   Cnum
                                          Snum
                     1990-10-03
                                   2008
  3001
            18.69
                                          1007
          767.19
1900.10
  3003
                     1990-10-03
                                   2001
                                          1001
  3002
                     1990-10-03
                                   2007
                                          1004
          5160.45
                     1990-10-03
  3005
                                   2003
                                          1002
  3006
          1098.16
                     1990-10-03
                                   2008
                                          1007
                     1990-10-04
  3009
          1713.23
                                   2002
                                          1003
  3007
            75.75
                     1990-10-04
                                   2004
                                          1002
  rows in set (0.01 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).

Ans. Select * from customers where snum in (1001,1004);

```
D2_92810_Chaitanya>Select * from customers where snum in (1001,1004);
         Cname
                    Citv
                             Rating
                                       Snum
         Hoffman
  2001
                    London
                                 100
                                       1001
  2006
         Clemens
                    London
                                 100
                                       1001
         Pereira
  2007
                    Rome
                                 100
                                       1004
  rows in set (0.01 sec)
```

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

Ans. Select * from customers where cname between 'A' and 'H';

```
D2_92810_Chaitanya>Select * from customers where cname between 'A' and 'H';
  Cnum
         Cname
                     City
                                 Rating
                                           Snum
  2002
         Giovanni
                     Rome
                                     200
                                           1003
                     Berlin
  2004
         Grass
                                     300
                                           1002
  2006
         Clemens
                     London
                                     100
                                           1001
  2008
         Cisneros
                     San Jose
                                     300
                                           1007
  rows in set (0.00 sec)
```

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

Ans. Select * from customers where cname like 'C%';

```
D2_92810_Chaitanya>Select * from customers where cname like 'C%';
 Cnum
         Cname
                    City
                                Rating
                                          Snum
  2006
         Clemens
                     London
                                    100
                                          1001
                     San Jose
  2008
         Cisneros
                                    300
                                          1007
 rows in set (0.01 sec)
```

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

Ans. Select * from orders where amt NOT IN (0, 'NULL');

```
D2_92810_Chaitanya>Select * from orders where amt NOT IN (0, 'NULL');
  Onum
         Amt
                    0date
                                 Cnum
                                         Snum
  3001
           18.69
                    1990-10-03
                                  2008
                                         1007
  3003
          767.19
                    1990-10-03
                                  2001
                                         1001
                                  2007
  3002
         1900.10
                    1990-10-03
                                         1004
  3005
         5160.45
                    1990-10-03
                                  2003
                                         1002
         1098.16
                                         1007
  3006
                    1990-10-03
                                  2008
         1713.23
  3009
                    1990-10-04
                                  2002
                                         1003
  3007
           75.75
                    1990-10-04
                                  2004
                                         1002
         4723.00
  3008
                    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, 1 warning (0.01 sec)
```

Select * from orders where amt != 0 and amt != NULL;