Assignment –6

Using Special Operators in Conditions.

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

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

```
W1_89793_Saurabh>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)
```

Select * from Orders where odate in('1990-10-03','1990-10-04');

```
W1_89793_Saurabh>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)
```

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).

Select * from Customers where snum in(1001, 1004);

```
W1_89793_Saurabh>Select * from Customers
    -> where snum in(1001, 1004);
+-------+----------+--------+--------+-------+
| Cnum  | Cname    | City   | Rating | Snum  |
+-------+----------+--------+--------+-------+
| 2001  | Hoffman  | London |    100 | 1001  |
| 2006  | Clemens  | London |    100 | 1001  |
| 2007  | Pereira  | Rome   |    100 | 1004  |
+-------+----------+--------+--------+-------+
3 rows in set (0.00 sec)
```

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

Select * from Customers where cname between 'A%' and 'H%';

```
W1_89793_Saurabh>Select * from Customers
    -> where cname  between  'A%' and '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)
```

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

Select * from Customers where cname like 'C%';

```
W1_89793_Saurabh>Select * from Customers
    -> where cname  like  'C%';
+-------+----------+----------+--------+-------+
| Cnum  | Cname    | City     | Rating | Snum  |
+-------+----------+----------+--------+-------+
| 2006  | Clemens  | London   |    100 | 1001  |
| 2008  | Cisneros | 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.

Select * from Orders where Amt>0 or Amt != Null;

```
W1_89793_Saurabh>Select * from Orders
     -> where Amt>0 or Amt != Null;
+-------+---------+------------+-------+-------+
| 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)
```