SQL 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 Odate in ('1990-10-03','1990-10-04');

```
                                                    amit@amit-Lenovo-ideapad-510-15IKB: ~
D5_Amit_84097>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)

D5_Amit_84097>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)

D5_Amit_84097>
```

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);

```
 ⊞                                                  amit@amit-Lenovo-ideapad-510-15IKB: ~

D5_Amit_84097>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)

D5_Amit_84097>
```

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 'G%';

```
 ⊞                                                  amit@amit-Lenovo-ideapad-510-15IKB: ~

D5_Amit_84097>select * from CUSTOMERS
    -> where Cname between 'A%' and 'G%';
+------+---------+----------+--------+------+
| Cnum | Cname   | City     | Rating | Snum |
+------+---------+----------+--------+------+
| 2006 | Clemens | London   |    100 | 1001 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+---------+----------+--------+------+
2 rows in set (0.00 sec)

D5_Amit_84097>
```

4) Write a query that selects all customers whose names begin with the letter 'C'.
Ans-: select * from CUSTOMERS
        where Cname like 'C%';

```
 ⊞                                                  amit@amit-Lenovo-ideapad-510-15IKB: ~

D5_Amit_84097>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 (0.01 sec)

D5_Amit_84097>
```

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 ('NULL',0);

```
                                                               amit@amit-Lenovo-ideapad-510-15IKB: ~
D5_Amit_84097>select * from ORDERS
    -> where Amt not in ('NULL',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, 1 warning (0.00 sec)

D5_Amit_84097>
```