

Assignment –6
Using Special Operators in Conditions.

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

Query 1: select * from orders where odate in('1990-10-03', '1990-10-04') ;

```
D3_92969_Dhananjay>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)
```

Query 2: select * from orders where odate between '1990-10-03' and '1990-10-04' ;

```
D3_92969_Dhananjay>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).

Query : select * from customers where snum in (select snum from salespeople where sname in('Peel', 'Motika'));

```
D3_92969_Dhananjay>select * from customers where snum in (select snum from salespeople where sname in('Peel', 'Motika'));
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2006 | Clemens | London | 100 | 1001 |
| 2007 | Pereira | Rome | 100 | 1004 |
+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)
```

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

Query : select * from customers where cname>= 'A' and cname<'G' ;

```
D3_92969_Dhananjay>select * from customers where cname>= 'A' and cname<'G' ;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2006 | Clemens | London  | 100    | 1001 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

Query : select * from customers where cname like 'C%' ;

```
D3_92969_Dhananjay>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)
```

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

Query : select * from orders where amt not like '0%' or amt != NULL;

```
D3_92969_Dhananjay>select * from orders where amt not like '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)
```