

SOL Assignment - 6

Using Special Operators in Conditions.

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

```
D6_87105_Pawan@>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	516.45	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 (0.03 sec)

```
D6_87105_Pawan@>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	516.45	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).

```
D6_87105_Pawan@>select * from (select * from Salespeople
-> where Sname = 'Motika' or Sname = 'Peel') as T;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+-----+-----+-----+-----+
2 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'.

```
D6_87105_Pawan@>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'.

```
D6_87105_Pawan@>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.

```
D6_87105_Pawan@> select * from orders
-> where amt not in (select amt where amt is null) or amt not in (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	516.45	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)