

Assignment –6

Using Special Operators in Conditions.

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

ANS:- mysql> SELECT * FROM Orders WHERE Odate = '1990-10-03' OR Odate = '1990-10-04';

```
mysql> SELECT * FROM Orders WHERE Odate = '1990-10-03' OR Odate = '1990-10-04';
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 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 |
| 3001 | 18.69  | 1990-10-03 | 2008 | 1007 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
+-----+-----+-----+-----+-----+
7 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(SELECT Snum FROM Salespeople WHERE Sname IN ('Peel', 'Motika'));

```
mysql> 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'.

ANS:- mysql> SELECT * FROM Customers WHERE Cname LIKE 'A%' OR Cname LIKE 'B%' OR Cname LIKE 'C%' OR Cname LIKE 'D%' OR Cname LIKE 'E%' OR Cname LIKE 'F%' OR Cname LIKE 'G%';

```
mysql> SELECT * FROM Customers WHERE Cname LIKE 'A%' OR
```

Cnum	Cname	City	Rating	Snum
2004	Grass	Berlin	300	1002
2006	Clemens	London	100	1001
2002	Giovanni	Rome	200	1003
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'.

```
mysql> SELECT * FROM Customers WHERE Cname LIKE 'C%';
```

```
Database changed
mysql> 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

```
mysql> SELECT * FROM Orders WHERE Amt IS NOT NULL AND Amt>0;
```

```
mysql> SELECT * FROM Orders WHERE Amt IS NOT NULL AND Amt>0;
```

Onum	Amt	Odate	Cnum	Snum
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
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3011	9891.88	1990-10-06	2006	1001

```
10 rows in set (0.01 sec)
```