

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:- mysql> 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
3002	1900.10	1990-10-03	2007	1004
3003	767.19	1990-10-03	2001	1001
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3007	75.75	1990-10-04	2004	1002
3009	1713.23	1990-10-04	2002	1003

7 rows in set (0.00 sec)

mysql> 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

3002	1900.10	1990-10-03	2007	1004
3003	767.19	1990-10-03	2001	1001
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3007	75.75	1990-10-04	2004	1002
3009	1713.23	1990-10-04	2002	1003

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).

Ans:-

```
mysql> select * from customers
      -> where Snum IN (
      -> Select Snum From salespeople
      -> where Sname = 'peel' OR Sname ='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 (0.01 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 BETWEEN 'A'
AND 'Gz';
```

```
+-----+-----+-----+-----+-----+
| 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'.

Ans:-

```
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 (0.01 sec)
```

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

ANS:-

```
mysql> SELECT * FROM Orders
```

```
    -> WHERE Amt IS NOT NULL AND Amt <>0;
```

Onum	Amt	Odate	Cnum	Snum
3001	18.69	1990-10-03	2008	1007
3002	1900.10	1990-10-03	2007	1004
3003	767.19	1990-10-03	2001	1001
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-05	2006	1001
3009	1713.23	1990-10-04	2002	1003
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

10 rows in set (0.00 sec)