***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 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 |**

**+------+---------+------------+------+------+**

1. 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 c.\***

**-> FROM customers c**

**-> JOIN salespeople s ON c.snum = s.snum**

**-> WHERE s.sname IN ('Peel', 'Motika');**

**+------+---------+---------+--------+------+**

**| Cnum | Cname | City | Rating | Snum |**

**+------+---------+---------+--------+------+**

**| 2001 | Rahul | Pune | 100 | 1001 |**

**| 2001 | Rahul | Pune | 100 | 1001 |**

**| 2004 | Isha | Pune | 250 | 1001 |**

**| 2004 | Isha | Pune | 250 | 1001 |**

**| 2005 | Anil | Chennai | 300 | 1004 |**

**| 2005 | Anil | Chennai | 300 | 1004 |**

**| 2001 | Hoffman | London | 100 | 1001 |**

**| 2001 | Hoffman | London | 100 | 1001 |**

**| 2006 | Clemens | London | 100 | 1001 |**

**| 2006 | Clemens | London | 100 | 1001 |**

**| 2007 | Pereira | Rome | 100 | 1004 |**

**| 2007 | Pereira | Rome | 100 | 1004 |**

**+------+---------+---------+--------+------+**

1. 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 left(cname,1) between 'A' AND 'G';**

**+------+----------+----------+--------+------+**

**| Cnum | Cname | City | Rating | Snum |**

**+------+----------+----------+--------+------+**

**| 2005 | Anil | Chennai | 300 | 1004 |**

**| 2002 | Giovanni | Rome | 200 | 1003 |**

**| 2004 | Grass | Berlin | 300 | 1002 |**

**| 2006 | Clemens | London | 100 | 1001 |**

**| 2008 | Cisneros | San Jose | 300 | 1007 |**

**+------+----------+----------+--------+------+**

1. 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 |**

**+------+----------+----------+--------+------+**

1. 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 |**

**| 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)**