***Assignment –5* Relational and Logical Operators.**

1. Write a query that will give you all orders for more than Rs. 1,000.

**Ans :- mysql> select \* from orders where amt > 1000;**

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

**| 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 |**

**| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |**

**| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |**

**| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |**

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1. Write a query that will give you the names and cities of all salespeople in London with a commission above .10.

Ans : **SELECT Sname, City**

**-> FROM salespeople**

**-> WHERE City = 'London' AND Comm > 0.10;**

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

**| Sname | City |**

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

**| Peel | London |**

**| Motika | London |**

**| Peel | London |**

**| Motika | London |**

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

1. Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

**Ans : mysql> SELECT \***

**-> FROM customers**

**-> WHERE Rating > 100 OR City = 'Rome';**

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

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

**| 2002 | Neha | Mumbai | 200 | 1002 |**

**| 2003 | Karan | Delhi | 150 | 1003 |**

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

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

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

**| 2003 | Liu | San Jose | 200 | 1002 |**

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

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

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

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1. What will be the output from the following query?

Select \* from Orders

where (amt < 1000 OR

NOT (odate = ‘1990-10-03’

AND cnum > 2003));

**Ans :-  amt >= 1000**

** odate = '1990-10-03'**

** cnum > 2003**

1. What will be the output of the following query?

Select \* from Orders where NOT ((odate = ‘1990-10-03’ OR snum

>1006) AND amt >= 1500);

**Ans :- The query will print all orders except those where:**

* **odate = '1990-10-03' or snum > 1006  
  and**
* **amt >= 1500**

1. What is a simpler way to write this query?

Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm <.14);

Ans : - SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm != 0.13;