Assignment –5 Relational and Logical Operators.

1) Write a query that will give you all orders for more than Rs. 1,000.
   ➜ SELECT * FROM ORDERS WHERE AMT > 1000;

2) Write a query that will give you the names and cities of all salespeople in London with a commission above .10.
   ➜ SELECT SNAME, CITY FROM SALESPEOPLE
     WHERE CITY = 'LONDON' AND COMM > .10;

3) Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.
   ➜ SELECT * FROM CUSTOMERS WHERE RATING > 100 AND CITY = 'ROME';

4) What will be the output from the following query?

   Select * from Orders
        where (amt < 1000 OR
              NOT (odate = '1990-10-03'
              AND cnum > 2003));

   ➜

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+-------+---------+------------+------+------+
| ONUM  | AMT     | ODATE      | CNUM | SNUM |
+-------+---------+------------+------+------+
| 3001  |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3003  |  767.19 | 1990-10-03 | 2001 | 1001 |
| 3005  | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3007  |   75.75 | 1990-10-04 | 2004 | 1002 |
| 3008  |    4723 | 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 |
+-------+---------+------------+------+------+
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5) What will be the output of the following query?

   Select * from Orders
        where NOT ((odate = '1990-10-03' OR snum
            >1006) AND amt >= 1500);

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+-------+-----------+--------------+--------+--------+
| ONUM  | AMT       | ODATE        | CNUM   | SNUM   |
+-------+-----------+--------------+--------+--------+
| 3001  |    18.69  | 1990-10-03   | 2008   | 1007   |
| 3003  |   767.19  | 1990-10-03   | 2001   | 1001   |
| 3006  |  1098.16  | 1990-10-03   | 2008   | 1007   |
| 3007  |    75.75  | 1990-10-04   | 2004   | 1002   |
| 3008  |     4723  | 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   |
+-------+-----------+--------------+--------+--------+
```

6) What is a simpler way to write this query?

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

SELECT SNUM, SNAME, CITY, COMM FROM
SALESPEOPLE