Assignment –5 Relational and Logical Operators.

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

Ans. Select \* from orders where amt>1000;

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>.10;

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. select \* from customers where rating<=100 or 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));

Ans. this query retrieves all records from the Orders table where either:

The amount (amt) is less than 1000, or

The order date is not October 3, 1990, or the customer number is not greater than 2003.

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);

Ans. the query will include all rows from the Orders table that do not have:

An order date of October 3, 1990 and an amount of 1500 or more, or

A salesperson number greater than 1006 with an amount of 1500 or more.

6) 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 between .12 and .14;