

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 s_name, city FROM Salespeople WHERE city = 'London' and  
comm > 0.10;
```

- 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 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));
```

All orders with an amount less than Rs. 1,000 are included, OR
Orders on '1990-10-03' will be excluded if the customer number is 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);
```

The order date is not '1990-10-03' OR the salesperson number (snum) is not greater than 1006, AND The order amount is less than Rs. 1,500.

- 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  
WHERE comm BETWEEN 0.12 AND 0.14;
```