

## Assignment –5 Relational and Logical Operators.

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

**Ans:-**      `Select   Snum, Onum, Amt ,Odate, Cnum 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.**

**Ans:-**      `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.**

**Ans :-**      `select   Cnum, Cname, city, rating, Snum 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));**

```
D3_92975_siddarth>select *from Orders
-> where (Amt < 100 or not (Odate = '1990-10-03' and Cnum >
2003));
```

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
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

```
8 rows in set (0.01 sec)
```

Ans:-

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:-

```

D3_92975_siddarth>use dbt1;
Database changed
D3_92975_siddarth>select * from orders
    -> where not ((Odate = '1990-10-03' or Snum > 1006) and Amt >= 1500)
;
+-----+-----+-----+-----+-----+
| 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 |
| 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 |
+-----+-----+-----+-----+-----+
8 rows in set (0.04 sec)

D3_92975_siddarth>

```

6) What is a simpler way to write this query? Select snum, sname, city, comm  
From Salespeople where (comm > .12 OR comm).

Ans:-

Select \* from salespeople;