

**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;

Onum	Amt	Odate	Cnum	Snum
3002	1900.10	03-Oct-1990	2007	1004
3005	5160.45	03-Oct-1990	2003	1002
3006	1098.16	03-Oct-1990	2008	1007
3009	1713.23	04-Oct-1990	2002	1003
3008	4723.00	05-Oct-1990	2006	1001
3010	1309.95	06-Oct-1990	2004	1002
3011	9891.88	06-Oct-1990	2006	1001

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>0.10;

Sname	City
Peel	London
Motika	London

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 \* from customers where rating>=100 or city='Rome';

Cnum	Cname	City	Rating	Snum
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

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:**

Onum	Amt	Odate	Cnum	Snum
3001	18.69	03-10-1990	2008	1007
3003	767.19	03-10-1990	2001	1001
3002	1900.10	03-10-1990	2007	1004
3005	5160.45	03-10-1990	2003	1002
3006	1098.16	03-10-1990	2008	1007
3009	1713.23	04-10-1990	2002	1003
3007	75.75	04-10-1990	2004	1002
3008	4723.00	05-10-1990	2006	1001
3010	1309.95	06-10-1990	2004	1002
3011	9891.88	06-10-1990	2006	1001

**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:**

Onum	Amt	Odate	Cnum	Snum
3001	18.69	03-10-1990	2008	1007
3003	767.19	03-10-1990	2001	1001
3002	1900.10	03-10-1990	2007	1004
3005	5160.45	03-10-1990	2003	1002
3006	1098.16	03-10-1990	2008	1007
3009	1713.23	04-10-1990	2002	1003
3007	75.75	04-10-1990	2004	1002
3008	4723.00	05-10-1990	2006	1001
3010	1309.95	06-10-1990	2004	1002
3011	9891.88	06-10-1990	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);**

**Ans:** Select \* from Salespeople where comm <.14 ;

Snum	Sname	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1003	Axelrod	New York	0.10