# Assignment -5

### Relational and Logical Operators.

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

USE sales\_db;

SELECT \* FROM ORDERS WHERE Amt > 1000;

Onum	Amt	Odate	Cnum	Snui	m
3002	1900.10	1990-1	0-03 2	.007	1004
3005	5160.45	1990-1	0-03 2	.003	1002
3008	4723.00	1990-1	0-05 2	.006	1001
3011	9891.88	1990-1	0-06 2	006	1001

2) Write a query that will give you the names and cities of all salespeople in London with a commission above .10.

USE sales\_db;

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.

USE sales\_db;

### **SELECT \* FROM CUSTOMERS**

WHERE Rating > 100 OR (Rating <= 100 AND City = 'Rome');

# CnumCnameCityRatingSnum2002GiovanniRome20010032003LiuSan Jose20010022004GrassBerlin30010022008Cisnero<br/>sSan Jose3001007

2007 Pereira Rome 100 1004

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

Select \* from Orders

where (amt < 1000 OR

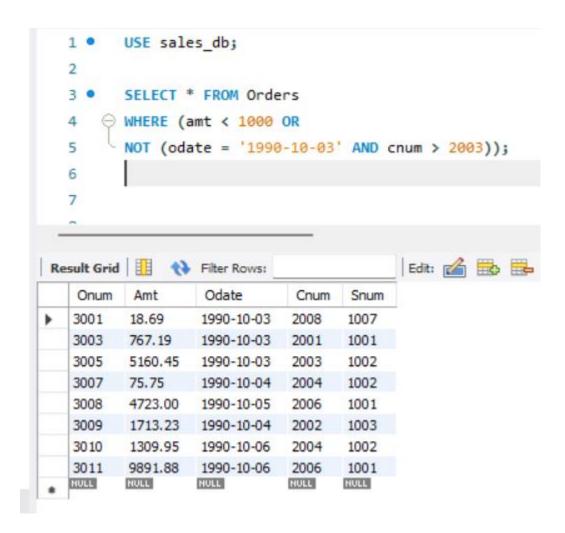
NOT (odate = '1990-10-03'

AND cnum > 2003));

SELECT \* FROM Orders

WHERE (amt < 1000 OR

NOT (odate = '1990-10-03' AND cnum > 2003));



5) What will be the output of the following query?

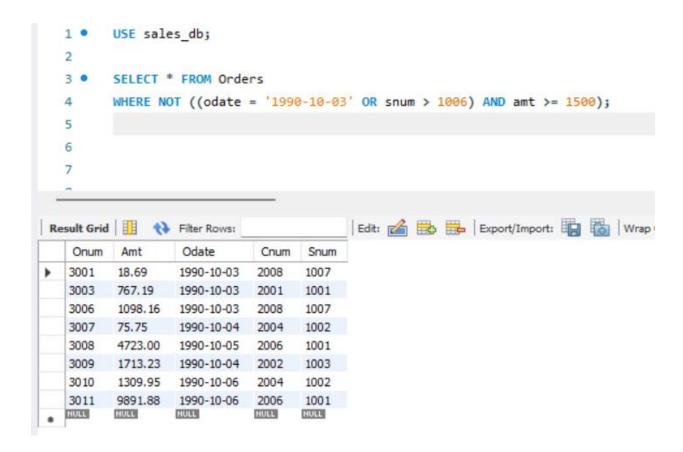
Select \* from Orders

where NOT ((odate = '1990-10-03' OR snum

>1006) AND amt >= 1500);

SELECT \* FROM Orders

WHERE NOT ((odate = '1990-10-03' OR snum > 1006) AND amt >= 1500);



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 < .14;

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm > 0.12 AND comm < 0.14;