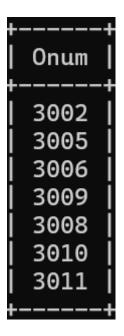**Assignment –5 Relational and Logical Operators.**

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

select Onum from ORDERS
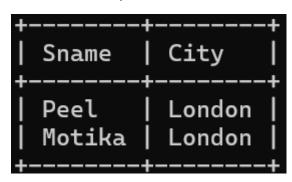
   -> where amt > 1000;

```
+-------+
| Onum  |
+-------+
| 3002  |
| 3005  |
| 3006  |
| 3009  |
| 3008  |
| 3010  |
| 3011  |
+-------+
```

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

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.

select * from CUSTOMERS

   -> where Rating <= 100 or City = 'Rome';

```
+--------+----------+----------+----------+--------+
| Cnum   | Cname    | City     | Rating   | Snum   |
+--------+----------+----------+----------+--------+
| 2001   | Hoffman  | London   |      100 | 1001   |
| 2002   | Giovanni | Rome     |      200 | 1003   |
| 2006   | Clemens  | London   |      100 | 1001   |
| 2007   | Pereira  | Rome     |      100 | 1004   |
+--------+----------+----------+----------+--------+
```

4) will be the output from the following query?

Select * from Orders

where (amt < 1000 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   |
+--------+----------+------------+--------+--------+
```

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);

Onum	Amt	Odate	Cnum	Snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3006	1098.16	1990-10-04	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

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

Select Snum, Sname, City, Comm From SALESPEOPLE

where comm = .13;

Snum	Sname	City	Comm
1002	Serres	San Jose	0.13