

Assignment –5 Relational and Logical Operators.

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

```
W1_Minal_93084>select * from orders
-> where amt > 1000;
```

Onum	Amt	Odate	Cnum	Snum
3002	1900.1	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3008	4723	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

7 rows in set (0.01 sec)

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

```
W1_Minal_93084>Select Sname,City from SALESPeOPLE where City='London' and Comm>.10;
```

Sname	City
Peel	London
Motika	London

2 rows in set (0.00 sec)

- 3) Write a query on the Customers table whose output will exclude all customers with a rating ≤ 100 , unless they are located in Rome.

```
W1_Minal_93084>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    | Berlim  | 300    | 1002 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
| 2007 | Pereira  | Rome    | 100    | 1004 |
+-----+-----+-----+-----+-----+
5 rows in set (0.05 sec)
```

- 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));
```

```
W1_Minal_93084>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    | 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)
```

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);
```

```
W1_Minal_93084>Select * fFROM ORDERS where NOT ((Odate='1990-10-03' OR Sn
um>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	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 (0.00 sec)
```

6) What is a simpler way to write this query?

```
Select snum, sname, city, comm From Salespeople
where (comm > .12 OR comm <.14);
```

```
W1_Minal_93084>Select Snum,Sname,City,Comm from SALESPeOPLE
-> WHERE (comm > .12 OR Comm < .14);
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelrod	New York	0.1

```
5 rows in set (0.00 sec)
```

```
W1_Minal_93084>Select * from SALESPeOPLE;
```

Snum	Sname	City	Comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15
1003	Axelrod	New York	0.1

```
5 rows in set (0.00 sec)
```