

Assignment -5

Relational and Logical Operators.

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

```
W2_89692_Aditya>select * from orders WHERE Amt > 1000.0;
+-----+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+-----+
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.

```
W2_89692_Aditya>select Sname,city from salespeople WHERE city='London' and Comm >.10;
+-----+-----+
| Sname | city |
+-----+-----+
| Peel  | London |
| Motika | London |
+-----+-----+
2 rows in set (0.01 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.

```
W2_89692_Aditya>select * from Customers WHERE not rating <=100 and city='Rome';
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200    | 1003 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 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));

```
W2_89692_Aditya>select * from Orders WHERE(amt<1000 OR NOT(Odate='1990-10-03' AND cnum > 2003));
```

Onum	Amt	Odate	Cnum	Snum
3001	18.69	03-OCT-1990	2008	1007
3003	767.19	03-OCT-1990	2001	1001
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
3007	75.75	04-OCT-1990	2004	1002
3008	4723.00	05-OCT-1990	2006	1001
3010	1309.95	06-OCT-1990	2004	1002
3011	9891.88	06-OCT-1990	2006	1001

10 rows in set (0.00 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);

```
W2_89692_Aditya>select * from Orders WHERE NOT((odate='1990-10-03' OR snum >1006) AND amt >=1500);
```

Onum	Amt	Odate	Cnum	Snum
3001	18.69	03-OCT-1990	2008	1007
3003	767.19	03-OCT-1990	2001	1001
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
3007	75.75	04-OCT-1990	2004	1002
3008	4723.00	05-OCT-1990	2006	1001
3010	1309.95	06-OCT-1990	2004	1002
3011	9891.88	06-OCT-1990	2006	1001

10 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);

```
W2_89692_Aditya>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	Bacelona	0.15
1003	Axelrod	New York	0.10

5 rows in set (0.00 sec)

```
W2_89692_Aditya>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	Bacelona	0.15
1003	Axelrod	New York	0.10

5 rows in set (0.00 sec)

