

NAME: Pavan A. Padole

Roll no: 200240520063

******* 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;

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 selespeople where Comm >.10;

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';

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 | 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

+-----+-----+-----+-----+

8 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);

ANS:-

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	4723.00	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);

ANS:-

```
+-----+-----+-----+-----+
| snum | sname | city  | comm |
+-----+-----+-----+-----+
| 1001 | peel  | London | 0.12 |
| 1002 | serres | San Jose | 0.13 |
| 1004 | Motika | Londone | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
+-----+-----+-----+-----+
```