

Assignment –5 Relational and Logical Operators.

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

```
D2_92814_Krushna>Select * from Orders where Amt >1000 ;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3003 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2008 | 1007 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-10-04 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+-----+
7 rows in set (0.04 sec)
```

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

```
D2_92814_Krushna>Select Sname,city from SalesPeople where Comm >
0.10 AND city = 'London';
+-----+-----+
| 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.

```
D2_92814_Krushna>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	Berlin	300	1002
2008	Pereira	Rome	100	1004

4 rows 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));

```
D2_92814_Krushna>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	1007
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-04	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

7 rows in set (0.04 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);

```
D2_92814_Krushna>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	1007
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	1990-10-04	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);
```

```
D2_92814_Krushna>Select * from Salespeople where Comm between 0.12 and 0.14 ;
```

Snum	Sname	City	Comm
1002	Serres	San Jose	0.13

```
1 row in set (0.00 sec)
```