

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

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

Query:

Select \* from orders where amt>1000;

```
D3_93024_Abhishek>Select * from orders where amt>1000;
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate   | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3002 | 1900.10 | 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 | 4723.00 | 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.

Select sname ,city from salespeople where city ='london' and comm>0.10;

```
D3_93024_Abhishek>Select sname ,city from salespeople where city ='london' and comm>0.10;
+-----+-----+
| 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.

Select \* from customers where rating >100 or city='Rome';

```
D3_93024_Abhishek>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	Cisneros	San Jose	300	1007
2007	Pereira	Rome	100	1004

```
5 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));
```

The query will return all rows that either have a lower amount (amt < 1000) or don't meet the specific date and customer number condition.

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);
```

The query will return all rows that don't meet the specific date, salesperson, and amount condition.

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

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

Ans:

```
Select snum, sname, city, comm From Salespeople
```