# Assignment No : 5

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

```
W2_87323_Dhanashri>select * from orders where amt >1000;
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3002 | 1900.10 | 1990-08-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-08-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-08-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-08-04 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-08-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-08-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-08-06 | 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 0.10.

```
W2_87323_Dhanashri>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.

```
W2_87323_Dhanashri>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)

W2_87323_Dhanashri>
```

**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 orders where the amount is less than 1000, or where the order date is not 1990-10-03. If the order date is 1990-10-03, it will include only those orders with a customer number less than or equal to 2003. Any orders on 1990-10-03 with a customer number greater than 2003 will be excluded.

**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 orders where the order date is not "1990-10-03"

and the salesperson number is 1006 or lower, or where the order amount is less than 1500. It will exclude orders with an amount of 1500 or more if the order date is "1990-10-03" or the salesperson number is greater than 1006.

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

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

```
W2_87323_Dhanashri>Select * 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  | 0.10 |
+------+---------+-----------+------+
5 rows in set (0.01 sec)
```