ASSIGNMENT-5 DBT

Relational and Logical Operators.

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

```
select Amt 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.

```
select Sname,City from salespeople where city='London' and Comm
```

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';
```

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));

It gives all columns of orders table there amount is less then 1000 or order date is not 1990-10-03 and customer number is not greter then 2003.

```
mysql> 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 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3009 | 1713.23 | 1990-10-03 | 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

AND amt >= 1500);

Display all the columns of orders where date is not equal 1990-10-03 or snum is not greater then 1006 and amt is greater then equal to 1500.

```
mysql> 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 | 1001 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 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 |
+------+---------+------------+------+------+
7 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);

```
select* from salespeople;
```

```
mysql> select snum,sname,city ,comm from salespeople;
+------+---------+----------+------+
| 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 (0.00 sec)
```