Assignment5 :-

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

```
W3_93086_Harshal>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 (0.00 sec)
```

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

```
W3_93086_Harshal>select* from Salespeople
    -> where city= london and comm>.10;
ERROR 1054 (42S22): Unknown column 'london' in 'where clause'
W3_93086_Harshal>select* from Salespeople
    -> where city= 'london' and comm>.10;
+------+--------+--------+------+
| Snum | Sname  | City   | Comm |
+------+--------+--------+------+
| 1001 | Peel   | London | 0.12 |
| 1004 | Motika | London | 0.11 |
+------+--------+--------+------+
2 rows in set (0.00 sec)

W3_93086_Harshal>select* sname from salespeople
    -> where city= 'london' and comm>.10;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual t
hat corresponds to your MySQL server version for the right syntax to use nea
r 'sname from salespeople
where city= 'london' and comm>.10' at line 1
W3_93086_Harshal>select sname,city,comm
    -> from salespeople
    -> where city= 'london' and comm>.10;
+--------+--------+------+
| sname  | city   | comm |
+--------+--------+------+
| Peel   | London | 0.12 |
| Motika | London | 0.11 |
```

3) Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

```
W3_93086_Harshal>select* from customers
    ->  where rating>=100 and city='Rome';
+------+---------+------+--------+------+
| Cnum | Cname   | City | Rating | Snum |
+------+---------+------+--------+------+
| 2002 | Giovanni | Rome |    200 | 1003 |
| 2007 | Pereira  | Rome |    100 | 1004 |
+------+---------+------+--------+------+
2 rows in set (0.00 sec)

W3_93086_Harshal>
```

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));

```
W3_93086_Harshal>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 | 1990-10-04 | 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)

W3_93086_Harshal>
```

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);

```
W3_93086_Harshal>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 |
| 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 |
```

6) What is a simpler way to write this query? Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm<.14);

```
W3_93086_Harshal>select * 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  | 0.1  |
+------+---------+-----------+------+
5 rows in set (0.00 sec)

W3_93086_Harshal>
```