SQL ASSIGNMENT – 05

Q1. Write a query that will give you all orders for more than Rs. 1,000.

Ans :-

```
D5_tejas_84011>SELECT Amt FROM ORDERS WHERE Amt>1000;
+---------+
| Amt     |
+---------+
| 1900.10 |
| 5160.45 |
| 1098.16 |
| 1713.23 |
| 4723.00 |
| 1309.95 |
| 9891.88 |
+---------+
7 rows in set (0.00 sec)
```

Q2. Write a query that will give you the names and cities of all salespeople in London with a commission above .10.

Ans :-

```
D5_tejas_84011>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)
```

Q3. Write a query on the Customers table whose output will exclude all customers with a rating <= 100, unless they are located in Rome.

Ans :-

```
D5_tejas_84011>SELECT * FROM CUSTOMERS WHERE (Rating <= 100 OR City ='Rome');
+------+----------+--------+--------+------+
| Cnum | Cname    | City   | Rating | Snum |
+------+----------+--------+--------+------+
| 2001 | Hoffman  | London |    100 | 1001 |
| 2002 | Giovanni | Rome   |    200 | 1003 |
| 2006 | Clemens  | London |    100 | 1001 |
| 2007 | Pereira  | Rome   |    100 | 1004 |
+------+----------+--------+--------+------+
4 rows in set (0.00 sec)
```

Q4. What will be the output from the following query?
Select * from Orders
where (amt < 1000 OR
NOT (odate = '1990-10-03'
AND cnum > 2003));

Ans :-

```
D5_tejas_84011>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 |
| 3006 | 1098.16 | 1990-10-30 | 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 |
+------+---------+------------+------+------+
9 rows in set (0.00 sec)
```

Q5. What will be the output of the following query?

Select * from Orders
where NOT ((odate = '1990-10-03'
OR snum>1006) AND amt >= 1500);

Ans :-

```
D5_tejas_84011>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 | 1990-10-30 | 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 |
+------+---------+------------+------+------+
8 rows in set (0.00 sec)
```

Q6. What is a simpler way to write this query?

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

Ans :-

```
D5_tejas_84011>SELECT Snum, Sname, City, Comm 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)
```