

SQL ASSIGNMENT -5

ROLL NO-84016

Q1. Write a query that will give you all orders for more than Rs1,000.

Ans.

```
D2_84016_Suyash>select * from ORDERS
-> where Amt>1000;
+-----+-----+-----+-----+-----+
| Onum | Amt      | Odate      | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3002 | 1900.1   | 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     | 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)

D2_84016_Suyash>
```

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

Ans.

```
D2_84016_Suyash>select Sname,City from SALESPEOPLE where City='London' and Comm>.10;
+-----+-----+
| Sname | City  |
+-----+-----+
| Peel  | London |
| Motika | London |
+-----+-----+
2 rows in set (0.00 sec)

D2_84016_Suyash>
```

Q3. Write a query on customer table whose output will exclude all customers with a rating ≤ 100 , unless they are located in Rome.
Ans.

```
D2_84016_Suyash>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)

D2_84016_Suyash>
```

Q4. Write will be the output from the following query?
Select *from ORDERS
Where (amt<1000 Or NOT (Odate='1990-10-03' AND cnum>2003));
Ans:

```
D2_84016_Suyash>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     | 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)

D2_84016_Suyash>
```

Files

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.

```
D2_84016_Suyash>Select * from ORDERS where NOT ((Odate='1990-10-03' OR Snum >1006) AND Amt>=1500);
ERROR 1054 (42S22): Unknown column '1990' in 'where clause'
D2_84016_Suyash>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 | 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)

D2_84016_Suyash>
```

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

Select Snum,Sname,City,Comm from SALESPeople
where (Comm>.12 OR Comm<.14);

Ans.

```
D2_84016_Suyash>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  | 10    |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

D2_84016_Suyash>
```