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

2) Write a query that will give you the names and cities of all salespeople in

London with a commission above .10.

3) Write a query on the Customers table whose output will exclude all customers

with a rating <= 100, unless they are located in 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));

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);

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

Select snum, sname, city, comm From Salespeople

where (comm > .12 OR comm <.14);

ANS.

1. Query for orders over Rs. 1,000:

SELECT \*

FROM Orders

WHERE Amt > 1000;

1. Query for salespeople in London with commission above .10:

SELECT Sname, City

FROM Salespeople

WHERE City = 'London' AND Comm > 0.10;

1. Query for customers with rating > 100 (or in Rome):

SELECT \*

FROM Customers

WHERE Rating > 100 OR City = 'Rome';

1. Output of query:

This query selects all orders where:

- Amount is less than 1000, OR

- Order date is not 1990-10-03 or Customer number is not greater than 2003

It will return all orders except those with:

- Amount >= 1000

- Order date = 1990-10-03

- Customer number > 2003

1. Output of query:

This query selects all orders where:

NOT (

(Order date = 1990-10-03 OR Salesperson number > 1006)

AND Amount >= 1500

)

It will return all orders except those with:

- Order date = 1990-10-03 or Salesperson number > 1006

- Amount >= 1500

1. Simpler query:

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm != .13;

Alternatively:

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm <> .13;

Or, using BETWEEN:

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm NOT BETWEEN .12 AND .14;

Note:

The original query checks if commission is not exactly .13. If you want to exclude commissions between .12 and .14 (inclusive), use:

SELECT snum, sname, city, comm

FROM Salespeople

WHERE comm < .12 OR comm > .14;