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Exercise 3-3 planning

Write the algorithm for the problem below. You are not writing actual code, but rather pseudocode to help your planning. Ask yourself the following questions:

* How many variables will you need? **16**
* What are the data types of those variables? **double**
* How many variables are you displaying? **2**
* What are the data types of those variables? **double**
* What math must you perform? **Multiplication, division, and subtraction**
* Is there anything you need to check before you do this math? **That you are not dividing by a zero**

Enter a value for a

Enter a value for b

Enter a value for c

Enter a value for d

Enter a value for e

Enter a value for f

Multiply a by d to get bottom1

Multiply b by c to get bottom2

Subtract bottom2 by bottom1 to get bottom final

If bottom final is equal to 0 end program and display error cannot divide by 0

Calculate e multiplied by d to get topx1

Calculate b multiplied by f to get topx2

Subtract topx2 from topx1 to get topx

Divide topx by bottom final to get x

Multiply a by f to get topy1

Multiply e by c to get topy2

Subtract topy2 from topy1 to get topy

Divide topy by bottom final to get y

Output X=x number calculated

Output Y= y number calculated