

Worksheet Lab 4 - Show Worksheet to Lab Assistant

Partner's Name _____

Partner's Name _____

Step 3 of Lab 4

Your prediction for step 3 of Lab 4: _____

Step 6 of Lab 4

Modify the output statement in the source program, to enable you to complete the following table, for int variables i and j , and double variables x and y (Hint: To speed things up, either do all of the values at once, or add an input statement that allows you to enter the values for i , j , x and y from the keyboard):

i	j	x	y	x / y	i / j	$i \% j$
4	1	4.0	1.0			
4	2	4.0	2.0			
4	3	4.0	3.0			
4	4	4.0	4.0			
4	5	4.0	5.0			
4	6	4.0	6.0			
4	7	4.0	7.0			
4	8	4.0	8.0			
4	9	4.0	9.0			

Step 8 of Lab 4

Fill out the following in the worksheet: Suppose that ABCD are the 4 digits of an integer value. With or without the computer, give the values of the following expressions in terms of A, B, C and D:

$$\begin{array}{ll} ABCD / 1 = \underline{\hspace{2cm}} & ABCD \% 1 = \underline{\hspace{2cm}} \\ ABCD / 10 = \underline{\hspace{2cm}} & ABCD \% 10 = \underline{\hspace{2cm}} \\ ABCD / 100 = \underline{\hspace{2cm}} & ABCD \% 100 = \underline{\hspace{2cm}} \\ ABCD / 1000 = \underline{\hspace{2cm}} & ABCD \% 1000 = \underline{\hspace{2cm}} \end{array}$$