

Math project using structures

14th November 2005

You are going to write a program, that will help you with your complex numbers. Let's say we want the program to add, subtract, multiply, and divide two complex numbers. It will also display the absolute value of the numbers. It will do that through a menu:

1. View complex numbers
2. Change complex numbers
3. Add complex numbers
4. Subtract complex numbers
5. Multiply complex numbers
6. Divide complex numbers
7. Absolute value of complex numbers
8. Quit

The menu will show up whenever the program is run, but it will not allow the user to enter any option until he enters two complex numbers. If you want, option 2 could start to be:

- Enter complex numbers.

After the user enters the numbers, it will become:

- Change complex numbers

The complex numbers should be saved in structures (2). The structure should hold two variables of type double, one for real, one for imaginary. The display should be as user friendly as you can. Break down this problem into as many functions as you can, it will make life an awful lot easier.