

## 1st Laboratory Session (C Language Programming)

### The Assignment

Write a program that reads from the keyboard two complex numbers in the form  $a+bi$ . Let the program compute and print to the screen the sum, difference and product of the entered numbers. (An extra assignment: let the program compute and print to the screen the quotient of the entered numbers.)

### An example:

Input:

4-5i  
-5+1i

Output:

Sum: -1-4i  
Difference: 9-6i  
Product: -15+29i  
Quotient: -0.96+0.81i

### Auxiliary Questions:

- How do the four basic arithmetic operations with complex numbers work?
- Which function is used to read keyboard input?
- Which function is used to write text to the screen?
- What is the name of the function that all C language programs must have?
- How do you declare a variable that will hold a real number?