

Complex numbers

Difficulty:	Medium
Requirements:	Complex data types
Aims:	Working with structs

A *complex number* $a + bi$ can be handled as a composite of two real numbers (real part a and imaginary part b).

- Write a program that is able to read and print *complex numbers* and stores them in an appropriate data structure.
The output should be in the form $a + bi$, but you can ask to input a and b separately.
- **Experts:** write a function that takes a *complex number* as an argument and returns its absolute value.

Hints

- **Experts:** You have to pass a *complex number*, but the return value is a real number.