IJE: Homework 1

Conditions

- Homework has to be passed to information system. Zip all files and directories, the name of passed file is xlogin.zip, where xlogin is you login name.
- Homework has to be solved individually.

Assignment

- Implement class Complex for representation of complex numbers. Place the class into the package named homework1.complex.
- This class should contain two float variables for representation of real and imaginary part. These variables should not be accessible from outside the class (protected).
- Implement public methods for setting and getting values.
- The Complex class should have following constructors:
  - without parameters
  - with parameters real and img that set initial value of the complex number
  - with parameter comp (of the class Complex) that set initial value of the complex number too
- Implement following methods:
  - add for additive operator, mult for multiplication, div for dividing   methods will have one parameter of the type Complex, and will return resulting number
- Implement class named Homework1 with the main method. This method will demonstrate usage of the class Complex.