Complex Number Manipulation

By

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Program Description: A C++ program that could compute and manipulate complex numbers accurately. This program would deal with whole or decimal fractions for now.

Tasks to be performed:

1. Addition of Numbers in Rectangular form
2. Subtraction of numbers in Rectangular form
3. Multiplication of numbers in Rectangular form
4. Division of Numbers in Rectangular form
5. Conversion of Numbers from rectangular to polar form.
6. Conversion from polar form to rectangular form.
7. Multiplication in polar form, division in polar form.

Implementation:

1. Data structures are used to implement the polar and rectangular form of the complex number.
2. The User is given a list of operations that could be performed.
3. Basic error checking methods are used to ensure valid user input.