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CS 476

Professor Grechanik

Homework 2

For this assignment, I created an implementation of classes using inheritance and dynamic dispatch to evaluate basic arithmetic expressions. The main class is called Expression, in which I initialized two variables to be computed in an expression for the method that I created in the main class. Next, I used inheritance to extend the superclass with a subclass called Triangle. In this class I override both variables that were initialized in the main class. I also created a new method for this subclass to find the area of a triangle. Finally, in the object Demo, I created new instances of each class and invoked each method of the super and subclass.