Coding Challenges: Intro Apex

Intro To Apex

Challenge I

Create a class called `Calculator` with a single method called `Add`. This method should take 2 `Integer` parameters and return their sum.

Challenge II

Create a method called `Multiply` that takes 2 `Integer` parameters and returns their product. You are not allowed to use the * operator to multiply the two `Integers`, and you must use your `Add` method you created in Challenge I.

Challenge III

Create a method called `Divide` that takes 2 `Integer` parameters and returns their quotient (Parameter 1 / Parameter 2). Once again, you are not allowed to use the / operator, and you must use your `Add` method. For this challenge, do not consider if zero is the divisor.

Challenge IV

Modify your `Divide` method so that it will return 0 if zero is the divisor.

Challenge V

Create a method called `Mod` that takes 2 `Integer` parameters and returns their remainder. You are not allowed to use the `Math.Mod()` method.

Elite Challenge I

Create a method called `Calculate` that takes in a `String` in proper mathematical format (eg. 1 + 1) and returns the result.

Test Cases

- 1 + 2 * 3 = 7
- 2 * 2 + 3 = 7
- (1 + 2) * 3 = 9
- ((3 * (4 + 2) - 8) + 10) / 2 = 10
- (10.5 * 2 - 10) * 0.5 = 5.5