Karan Bayat

CS 410, Farag

6.20.23

Final Exam Q7

**Step 1.**

Extending the add method for the StringCalculator class to include a negative value exception throw feature would employ a search of the content of the string to see if it contains the character “-” before either of the two numbers in the string. If such is the case, an exception is thrown. For the method to include a feature of ignoring values greater than 1000, the method will scan for any either of the two numbers to contain a contiguous four-character value. If such is the case, then the value is simply not computed with the method.

**Step 2.**

The test class will be written to test these two new functionalities. To test the negative exception feature, the test method will insert a negative value and a positive value, the output should assert that it should total to the value of just the positive value.

The feature of ignoring values above 1000 will be done inputting a value above 1000 and one below. The outcome should have the assertion that the value is simply equivalent to the value below 1000.