Fibonacci Sequence Program - Test Diary

Ver 0.1

* Ran program using fValue = 5.
* Results: both FibonacciCalculator objects reported values of 0 instead of 5.
  + Problem is in the calculation logic of both FibonacciCalculator and RecursiveFibonacciCalculator. Both use a variable to represent the previous number in the sequence initializing it to zero. Because the variable that stores the resulting value is also set to zero, prevNumber never increases.
  + The proposed solution would be to initialize prevNumber to 1 instead of zero.
* Time: both FibonacciCalculator objects reported a calculation time of zero.
  + This should not be possible since even though the results were also zero, time should have been spent going through the calculation loops.
  + Nothing ran the setResultTime() method to calculate the correct resultTime.
  + Proposed solution is to add a setResultTime() call at the end of the endTimer() method in Timer

Ver 0.2

* Ran program using fValue = 5.
* Timer issue appears to be resolved.
* Results:
  + Iterative Calculator shows 16 instead of 5
    - Re-work logic around Fibonacci calculation
  + Recursive Calculator shows 0 instead of 5
    - Most likely an issue with triggering recursion or overwriting fResult back to zero