CMSC 204

Recursion Lab

You will need to complete two recursive methods for this lab assignment.

* Write a recursive method to sum the values in an array of integers. You will need to implement a recursive method, int sumOfArray (…), in a new java file.
  + Use the provided driver, ArraySumDriver, to populate your array and demonstrate that your method works. Feel free to modify the driver routine
  + Note that ArraySumDriver has a getArray method that you will need to use. Also, you are encouraged to use sumOfArray() as a “starter” method, that calls the actual recursive method
* Implement another recursive method to compute a Fibonacci number
  + Review the Dynamic Programming slides (Module 9 – Recursion.pptx) and utilize the dynamic programming version
  + The pseudocode has been provided, and this is the most efficient implementation
  + Add addition testing code (to the provided driver routine) to test your newly created Fibonacci routine
* Upload your work to GitHub (your repository)
* Complete a 1-page write-up to highlight your learning experience, including a screenshot of your GitHub repository.
* Compress your working folder and write-up; submit the compressed file back to the assignment link on Blackboard.