

CS 10

Lab #2A

Implement the recursive Factorial program from the text in Mars.

Prompt the user for N and return N!

(Look at the Fibonacci or other programs out in Mars land if you need some scaffolding to help you get started.)

Print out the Factorial arguments as they are put on and taken off the stack.

Observe carefully the operation of the stack to see how procedure calls (and in this case recursive procedure calls) work.

Observe carefully what things are saved on the stack and why it is necessary to do so.

What is the largest factorial that your program can compute? Why?

After you've verified that it is all working properly, upload it to Canvas.