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Course: CS 2350‐001

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Report for Fibonacci, Version 1 (Fibonacci.asm)

The program uses a loop to calculate the first seven values in the Fibonacci number sequence. In the loop the program will use DumpRegs to display each value in the EAX register. Based of instructions for the assignment the first seven values of the Fibonacci sequence to be displayed are {1,1,2,3,5,8,13}. To display these values the Fibonacci program sets 7 as its loop counter initializes 0 for its previous number and 1 for its current number.to find the next number in the sequence the program adds the current number and the previous number. Previous will then change to current and current will change to next. During this process the program uses EBX register for previous, EAX register for current, EDX register for next, and ECX for the loop counter.

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