X86 Assembly Homework 02

CS 3810 – Computer Architecture

Instructions

Download the tickTock executable. It will only run in Linux and can be executed using *"./tickTock <number> <stage1> <stage2> <stage3>.* Your assignment should you choose to accept (and I highly suggest you do) is to decompile the binary using "objdump –d" and use your knowledge of X86 assembly to figure out what inputs are needed to pass all three stages. Submit your

Grading rubric

Stage 1: 25/75

Stage 2: 25/75

Stage 3: 25/75

Notes

- Only worry about the .text section.
- You may want to view the source in dissy, a viewer for disassembled code. You can install it with *"sudo apt-get install dissy"*. It will help you see where jumps are going.
- You may also want to view what is happening in registers and memory while the program is executing. The Linux Data Display Debugger (DDD) allows viewing of memory, registers, and assembly during execution. DDD can be installed with *"sudo apt-get install ddd"*.