CMSC 240: Principles of Computer Organization
Assignment#5
Due in class on Thursday, April 17, 2025.

Description: Write an LC-3 assembly language program to compute the factorial of a given number (>=0). Use the algorithm and solution described in your Lab-08 handout.

What to Hand in

Submit a stapled printout containing the following:

1. A printout of your program (.asm file),
2. A snapshot of the Simulator screen showing contents of all registers after running the program to compute the factorial of 4, and then 6.
3. A short personal reflection on the exercise.