

CSCI 4060U – Laboratory #4
A Fibonacci Number Generator in OpenMP
Lab Due: Tuesday, February 18, 2025 at 11:00pm (Canvas)

Introduction

The Fibonacci numbers are a sequence where the first number is 0, the second number is 1 and all subsequent numbers are the sum of the two preceding numbers:

0, 1, 1, 2, 3, 5, 8, 13, 21...

Activity #1

Write a sequential program that can generate the Fibonacci numbers and can be parallelized.

Activity #2

Parallelize your program from Activity #1.

Hint: You should consider using the `parallel` and `task` pragmas.

Submission

You should submit your source files as lab04_1.c and lab04_2.c through the lab drop box in Canvas.