Programming Assignment 2:
Due Friday, Oct. 7

To be done on water.eng.utah.edu

In OpenMP, write a task parallel program that implements the following three tasks for a problem size and data set to be provided. For M different inputs, you will perform the following for each input

TASK 1: Scale the input data set by $2+(i*j)$

TASK 2: Compute the sum of the data

TASK 3: Compute the average, and update max avg if it is greater than previous value

Like last time, I've prepared a template

Report your results in a separate README file.

- What is the parallel speedup of your code? To compute parallel speedup, you will need to time the execution of both the sequential and parallel code, and report speedup = Time(seq) / Time (parallel)

- You will be graded strictly on correctness. Your code may not speed up, but we will refine this later.

- Report results for two different numbers of threads.