Homework 2

Required:

1. In the lecture for OpenMP, we show you an incomplete example on how to calculate π numerically using midpoint rule (*rectangle rule*). Write a complete OpenMP code, in either Fortran or C/C++, to calculate π numerically using midpoint rule or Simpson's rule. Show how you compile your code and report the result.

Bonus:

2. Perform a weak scaling study and a strong scaling study of your OpenMP program; and report the results.