Individual Submission or two-person submission

Introduction

The proliferation of multi-core computers is creating a need for easier development of parallel programs. Microsoft .NET includes the TPL (Task Parallel Library) to facilitate easier programming of multi-processor/core computers. You will develop an application the demonstrate some of the features of the TPL.

You must be able to demonstrate the program to the instructor in the lab using either your personal laptop, or one of the computers in the lab.

Requirements

Demonstrate the calculation of prime numbers using both a sequential and parallel programming approach. Compare the performance results of the two approaches. You should use a brute-force method to do this. Also, the number of prime numbers to calculate is up to you, depending on how long you want to wait. ☺

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