CS 380P Parallel Systems — Spring 2011	Programming Assignment #2
Parallel Prefix in MPI	Due February 8, 2011

In this assignment, you will use MPI to implement the same generalized parallel prefix framework that you did for assignment 1. The main goal is to familiarize yourself with MPI, so this assignment will not be worth much (unless you don't do it). You may work in teams of two, and you may consult others—even those outside of your pair—if you need help. Please just acknowledge any help that you give or consultation that you provide. You should again prepare a brief written report that describes what you've done, but you should focus on issues that are specific to this assignment, ie, you can assume that we've read your report for assignment 1.

1 Details

You may write your code in either C or C++, and you should again run it on the Longhorn cluster at TACC. For information about compiling and running MPI programs, see the TA's web site, in particular, the following web page:
http://www.cs.utexas.edu/ akanksha/cs380p/assn2.html

Due Date

This assignment is due at 11:59pm on the due date. You should submit your solution electronically, including the following items:

1. A written report of the assignment in either plain text or PDF format. This is your chance to explain your approach, any insights gained, problems encountered, etc. Your report *should* include performance results for your solution (taken on Longhorn).
2. Your source code, instructions to build it on Longhorn, and instructions to run the programs (along with the arguments, etc).

As with Assignment 1, you can find more information on the TA's website.