

CS 140 Program 0: Hello, world

Assigned January 18, 2007

Due by midnight Monday, January 22

This assignment won't be graded, but we will check that you have turned it in. The goal is just to verify that your accounts work and you've got your paths and environments set up correctly.

Your assignment is to compile and run the program at

<http://www.cs.ucsb.edu/~gilbert/cs140Win2007/mpi/examples/sendrecv.c>

on *both* the CS cluster and DataStar. Try it with at least 10 processors.

On DataStar, I also recommend trying out the VAMPIR tool described in class on January 17 (and on Stefan Boeriu's web page) to visualize the message-passing that happens. Feel free to experiment with variations on the program if you like.

Using the `turnin` command on CSIL, you should turn in the following files:

- The two source files `sendrecv_datastar.c` and `sendrecv_cluster.c` that you used. (They're probably identical.)
- The two output files `sendrcv_datastar.out` and `sendrcv_cluster.out` that result from running the program on the two machines.
- A `README` file that includes anything you want to say about the program. Please include in the `README` your name and perm number, and the name and perm number of your partner if any.

You can do this homework in groups of two if you wish, though actually I recommend doing it singly just to verify that your own accounts are working.