Starting with MPI

The goal of this homework is to become familiar with the MPI environment in stovokor cluster.

Problem: Start with the code for hello_world that we went over in class. Modify the code to accept a sentence on command line argument. Send the entire sentence to the children. Each child will extract the word that corresponds to his rank and send it back to the parent. In addition, it will print a message saying that it is returning the word to the parent. The parent will assemble the sentence from the words returned based on the rank from which the word was received and print the final sentence.

What to handin

Create your programs in a directory called username.1 where username is your user name on admiral. Once you are done with everything, remove the executables and object files, copy the directory over to admiral, and issue the following commands:

```
% cd
% ~bhatias/bin/handin cs5740 1
```

Do not forget Makefile (with suffix rules) and README for the assignment.

You do not have to hand in a hard copy of the project. Assignment will be due at 11:59pm on the due date.