Parallel Processing

Project 2

turnin code: pp_p2

Enhance p1 by supplying a port number to each of the ranks so they

can use it in MPI_Init etc.   It can be used to connect back to the

process running mpiexec and retrieve information such as how to

contact other ranks.

Then, implement your own MPI that supports the following functions:

    MPI_Comm_rank

    MPI_Comm_size

    MPI_Finalize

    MPI_Init

    MPI_Send (just wrapper for Ssend)

    MPI_Ssend

    MPI_Recv

    MPI_Barrier

You only need to support MPI_COMM_WORLD for this project.

Place your object code into a library named libpp.a which

test files can link against.

Compile and link the program previously named p1 as ppexec.

Have a makefile that will build libpp.a and compile and link

ppexec as well as any test programs that we develop.

I will cd to my dir containing your project files and type:

    rm -f libpp.a

    rm -f *.o

    make

Use turnin as in p1.