

# CS 5500 Homework 1

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## Assignment

Get MPI working on your computer.

Write an MPI program and execute it on your computer, where each process sends its rank number to rank+1%size and prints out both its own rank as well as the data it received.

## Approach

To install MPI on my computer (a Mac) I did the following.

1. Installed Homebrew using  
`-c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"`
2. Update XCode command line tools as it caused an issue with homebrew.
3. Install MPI using  
`brew install open-mpi`

## Implementation

Conveniently, Professor Watson wrote the MPI program needed in class. I read over it again and copied it into my text editor. I reviewed the lecture to double check that I understood the parameters of the MPI commands.

## Concluding Remarks

Overall, this assignment went smoothly and offered some nice insights. The errors I ran into with XCode were the most of my worries, and a quick google search resolved those. This was a great way for me to get an introduction into the C++ programming language.