Download: https://www.open-mpi.org/software/ompi/v2.0/

Install MPI:

- Mac OS:

https://wiki.helsinki.fi/display/HUGG/Open+MPI+install+on+Mac+OS+X

https://apple.stackexchange.com/questions/102012/openmpi-already-installed-in-os-x

- Linux:

**Install:**

Under Linux, GCC is usually already installed, otherwise you can do *sudo apt-get install gcc*. MPICH can be installed using *sudo apt-get install mpich libmpich-dev*.

Here you can do it manually, by executing the following lines in your terminal:

currentDir=`pwd`

mpichVersion=3.2

cd /tmp/

wget --no-check-certificate -q http://www.mpich.org/static/downloads/$mpichVersion/mpich-$mpichVersion.tar.gz

tar -xzf mpich-$mpichVersion.tar.gz

cd mpich-$mpichVersion

mkdir build && cd build

sudo ../configure CC=$CC CXX=$CXX --disable-fortran --disable-romio

sudo make -j2

sudo make install

cd "$currentDir"

**Building**

mpicc xxx.c -o xxx. For some examples, you may need to add the parameter [-lm](http://www.stackoverflow.com/questions/10447791/), as they need to be linked against the math library.

**Execution**

After compiling, you can now execute the programs using mpirun. For the example, you would do mpirun -n 4 ./xxx