The instructor should follow the steps below:
- Briefly introduce the concept of Clusters
- Access remotely a super computer (here Blue Water or the available local supercomputer)
- Upload the source code (hello_mpi.c, Are_cure_mpi.c, and other available in the pool)
- Load the OpenMPI or any equivalent MPI package module on the system
- Compile the source code with a name to the executable
- Edit the job script (myJob_hello_mpi_Script)
- Submit the job (qsub for PBS/TORQUE or sbatch for SLURM)
- Wait for the ERROR and OUTPUT files when the job run is complete.
- Analyze those 2 files
- Debug if necessary
- Try it again with other different source code