PHYS405

Advanced Computational Physics
Parallel Computing

Assignment # 2
Due: Friday, October 21, 2016

Purpose: Learn to write and run a simple MPI code

Note: Please identify all your work.

Write an MPI code, submit.c, to execute a Linux command on all the nodes of a virtual machine. The command to execute will be extracted from the command line arguments.

For instance,

mpiexec -np 4 ./submit rm /tmp/a

will remove the file **a** from the local directory **/tmp** on all the nodes on which the code runs.