SC 290: High-Performance Computing
Homework #2
Due date: Wednesday, January 21 before class (email to will@accre.vanderbilt.edu)

The point of the homework is to encourage you to use a couple of tools on the cluster that can help you diagnose jobs that do not perform as expected. The process should be straightforward, and uncomplicated. If you find it onerous for any reason, you are going about the process in the wrong way.

Procedure:
1. Be sure to log in through slurmlogin.accre.vanderbilt.edu (not vmplogin!).
2. If you haven’t so already, move into your ~/SC290 local repository and type “git pull”. (Matlab users may need to type “setpkgs –e matlab” first)
3. Move into ~/SC290/slurm/ and modify each SLURM script so that only you get appropriate emails about your jobs.
4. Submit the jobs to the cluster.
5. The cluster will give you at least two big clues about what happened to your jobs. So, email me the name of each job, and the specific lines from the output files and the emails, which are your clues. Also include your statement about whether the "problem" with the job is the executable, the script doing the submission, or that the problem is with the cluster itself.