* Yellowstone's computing environment

The default shell is tcsh. The default can be changed through SAM (https://sam.ucar.edu), but the tutorial examples assume that you are using tcsh.

Checking your disk quota:

> gladequota

These are CESM-specific environment variables, set by default:

> echo $CESMROOT
> echo $CESMDATAROOT

* The LSF batch system

Submit script "foo.sh":

> bsub <foo.sh

Start an interactive session with X forwarding on Caldera:

> bsub -is -P <project #> -W <time limit> -n 1 -q caldera \       
> -m <desired node> <desired shell>

Check all of your own jobs:

> bjobs

Detailed information about your own jobs:

> bjobs -l

Find a "slot" so that you can run a job that's the right size to fit:

> bslots

Kill a job (queued or running):

> bkill <job #>

* Modules

Listing the currently loaded modules:

> module list

Listing all available modules:

> module avail

Load/unload the nco module:

> module load nco
> module unload nco
Switch to the PGI compiler:

> module swap intel pgi

(Note: The compiler in your environment does not affect CESM builds. CESM will build with the compiler that was provided on the command line when you run create_newcase.)