SJSU HPC commands

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1 SJSU HPC commands

1.1 SSH Config

Add the following to your .ssh/config file to create a shortcut

Type **ssh SJSU_01** and the username and hostname will be set automatically.

1.2 Basic terminal commands can be used on HPC

1.2.1 manual pages with detailed instructions.

```
In [ ]: man <command name>
```

1.2.2 change directory & present working directory

```
In [ ]: cd
    pwd
```

1.2.3 list files in the current directory & flag -l for files along with all the deatils about ownership and permissions

```
In []: ls
ls -l
```

1.2.4 create new directory

```
In [ ]: mkdir
```

1.2.5 remove files and directory

CAUTION: THERE IS NO UNDOING THIS COMMAND.

1.2.6 copy file to new location

1.2.7 Move a file to a new location.

```
In [ ]: mv <file1> <file2>
```

1.2.8 print entire content of file

```
In [ ]: cat <filename>
```

1.2.9 print lines from the top & end of the file

```
In [ ]: head -3 <filename>
     tail -3 <filename>
```

1.3 Editors

nano (run **man nano** for more help), vim (run **man vim** or https://blog.interlinked.org/tutorials/vim_tutorial.html for more help), emacs (run **man emacs** or http://insti.physics.sunysb.edu/itp/computing/doc/emacs-intro.html for more help)

1.4 Modules

1.4.1 list all available modules on the cluster

```
In [ ]: module avail
```

1.4.2 list all currently loaded modules

```
In [ ]: module list
```

1.4.3 load and unload module