**CECI Cluster Steps**

The first thing you want to do is make sure you know what your cluster file and folder system looks like.

When accessing the cluster you are likely using an application call “Terminal” or “Command Prompt”

In this application you have likely done something like this:

ssh your-username@clustername

With that successful, you are now in the cluster.

Please explore the set-up of the cluster with

ls

This will allow you to see all the folders and files within the cluster that are in your user’s main access point.

There are two things you will want to do.

1. Create an apptainer for running all of the code we are interested in running,
2. Create a folder with all the files and code we will need to run in the apptainer.

Make a directory (folder) for this project

mkdir project-folder

You will then want to enter this folder

cd project-folder

Then you will create an apptainer by following this [video tutorial](https://www.youtube.com/watch?v=9015kJyMBcw)

We will then need to get the folder of cluster code and information into this project-folder.

Likely we will make a github repository which can then be pulled into the folder with.

git clone repository-name

Then we will need to get ollama into the apptainer. We can try to follow [this guide](https://medium.com/@afifaniks/running-ollama-with-apptainer-a-step-by-step-guide-to-local-llms-with-gpu-support-on-hpc-3fe98c8af2c8).

Then we can start jobs for the cluster of the code we want to run.