Commands for working on the cluster:

Linux commands:

ls – list the folders in the current working directory
cd $PATH – change directory
pwd – prints the working directory
cp -r $SOURCE $TARGET – for copying any file or folder from one path to another locally or within the server
mv $SOURCE $TARGET – moving a file/folder from one path to another locally or within the server

Communicating with the server

ssh – for logging in to the server
e.g.: **ssh yadav@cluster-g.math.tu-berlin.de**
scp – for securely copying the files/folders from local machine to remote server and vice-versa (**scp -r $SOURCE $TARGET**)
eg.: **scp -r /home/vikas/PINN/Cases/Kornilov_Adiabatic/example.py yadav@cluster-g.math.tu-berlin.de:/homes/smta/yadav/Vikas/**
After logging in to the server, you can activate your conda environment by the following command:
conda activate /work/yadav/temp-env/
In case you do want to create your own environment, you can also do that by the following command:
conda create -p /work/yadav/$ENV_NAME python=3.10.12
You can then activate your new conda environment.
Once you are in your preferred environment, you can install the packages using the following command:
conda install $PACKAGE_NAME
e.g: **conda install pandas** or **pip install pandas**
In case you want to deactivate the environment, you can do that by,
conda deactivate

I think you will not have to install

Job submission commands

Following are the most common commands that you would have to use in Slurm:

sbatch #JOB_FILE - For submitting the job, e.g., sbatch job.sh (Description of job file already in the comments of the job file)
squeue –me - For checking the job status (PD – pending, R – running)
scancel #JOB_ID - For canceling the job