Script for Plotting demonstration and exercise
ATM419/563 Spring 2024

This demo illustrates some plotting that can be done from GRIB and NetCDF files

* ------------- setup [slide 5] -- *
* move to your lab space
        $ lab

* make a directory in your lab space called **PLOTTING**, and move into it
        $ mkdir PLOTTING
        $ cd PLOTTING

* copy the notebooks from $LAB/PLOTTING
        $ cp $LAB/PLOTTING/*ipynb .

* link to the GRIB file we will use
        $ ln -s $LAB/DATA/BOULDER/20211230_12/hrrr.t12z.wrfnatf04.grib2 .

* launch ARCC Jupyterlab.   **Select "batch – 4 cores, 16GB, 8 hours"**
If you are NOT presented with the drop down menu, please do this:
        → File menu > Hub Control Panel
        → Press "Stop My Server" button
        → Then select "Start My Server"
        → Select "batch – 4 cores, 16GB, 8 hours" from the drop-down menu
        ➔ **16GB is needed for one of the notebooks to work properly**

* you may start in your home directory. If so,
        → click the LAB link
        → click on PLOTTING folder
        → launch GRIB_plot_example.ipynb and WRF_plot_example.ipynb

• remember to go to File menu and select Close and Halt to finish demo