Script to capture the files outputted by the datalogger:

Write a C++ program that does the following:

* Find the com port that has the Arduino attached
  + Either scan all active com ports for the word "Arduino" automatically
  + Or use a command line argument to have the user enter the com port when they start the program (note this will make it harder for general use because we will have to use the Windows Command Prompt or Powershell to run the program)
* Make a new folder in the current directory with the name: HPS\_Datalogger\_YYYY-MM-DD\_HH-MM
* Send the character 'l' (lowercase L) to that serial port
* For each file received,
  + Create a new .txt file in that directory
  + Copy the received text to this file
  + It would be nice to save the files as .csv’s rather than .txt’s. The files will always be .txt on the datalogger, but we can change the extension to save them as .csv’s in the script, and they will open in Excel if we log the data with comma delimiters in the Race Code.
* Recognize the end condition when it arrives
* Exit gracefully (make sure all files are closed etc...)

Finally,

* Compile this program into an .exe
* Make sure this .exe works on multiple people's computers (Windows only)
* Upload the .exe and source files into the folder: Electronics\_Integration/Code/Datalogger

Note: This .exe will be Windows only. The source files will be provided so that Linux users can compile manually on their command line.