

Python - Read and Write to Files

Default File Paths

- `os.getcwd()`
- `os.chdir('../..../')`
- Example = `directory.py`

Reading Files

- with `open('file.txt','r')` as file:
 - Automatically closes the file at the end of code block
- `file = open('file.txt','r')`
 - Must close file with `file.close()`
- `read()` into string
- `readlines()` lines into list
- Example = `open.py`

Parsing CSV

- `readlines()`
- `file.split(',')`
- For `x` in `list[1:]`
 - Skips first index in list - If Column Titles exist
- Example = `parse.py`

Writing to Files

- With `open('file.txt', 'w')` as file:
- `w` - overwrite
- `a` - append to end
- Use formatting based on User Interface - ASCII vs HTML
- Example = `write.py`

ASCII Text Formatting

- `\n`
- `\t`
- Example = `ascii.py`

HTML Formatting

CSS and Javascript...

- `<p></p>`
- Also format output properly in ASCII so page source can be read

Labs

- lab-sensor.py
- lab-note.py
- Lab-search.py
