Programming

- compiled vs interpreted
- compiled: fast, efficient, talking at the computer level
  - ex: Java, C/C++, Android, Swift, Assembly, VB
- interpreted: slower, easier to modify, human-readable
  - ex: Python, Ruby, JavaScript, BASH, Powrshell, BASIC

Programming Enviroments

- Notepad, but not Microsoft Word or a word processor
- Notepad++, but can't run the program
- Integrated Development Enviroment (IDE)
  - Visual Studio, PyCharm, Clion, PhpStorm, Visual Studio Code, Atom

Python

- PyCharm - main IDE
- Jupyter Notebook - used to quickly run bits of code
- IDLE - comes with Python, officially.
- Vi - command prompt editor
- Python - the language interpreter (Python.org)

Interactive vs Script Mode

Interactive	Script Mode
- type "python" at the command prompt	- use an IDE or text editor
- shows prompt ">>>"	- enter multiple lines of Python
- enter a line of code	- save file
- press "ENTER"	- type "python <filename>" at the command prompt
- code is executed	

Windows Command Prompt

dir - show files in the folder

cd <folder> - change directory to <folder>

cls - clear screen

mkdir <folder> - make directory

move <filename> <folder> - moves file into folder

copy <filename> <filename2> - copies filename to filename 2

del <filename> - deletes a file

Pip

- http://www.pypi.org