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**Computer Programming Notes**

8.31

* Language: words, symbols, expressions combined with rules
* Python: programming language
* **Assembly/source code** → **machine code**
  + **Compiler**: translates before running, faster for certain tasks
  + **Interpreter**: translate as running (interpreted languages), simple and efficient to develop
* **Python**: both compiled and interpreted, advantages of both
  + Source code compiled to bytecode (intermediate) → interpreted into machine code
* Right click document folder, create text file, rename “firstProg.py,”right click, edit with Idle
* print (“text”)
* Backslash in front to escape characters with other meanings (i.e. quotation) so they can be included in string
  + print (“I am 6\’2\” tall.”)
* ASCII art: image created by characters from computer, text-based visual art