**TIGr-Python-Parser**

Made for the 2019 Ara Advanced Programming (In Python) Class

**Josiah and Tom Created Files:**

* <Parser.py>
* <Reader.py>
* [TKCMD.py](TKCmd.py)
* <TKDrawer.py>

**Josiah and Marcus Created Files:**

* <ParserMike.py>
* <TDrawer.py>
* <LookupArgParser.py>

**Marcus and Tom Created Files:**

* <PyGameDrawer.py>

**Files that were worked on by both teams:**

* <TXTDrawer.py>
* <Main.py>

**Josiah and Tom Points and Reasoning:**

* Interactive Front-End x2 ([Main.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\Main.py))
  + More Functional
  + Allows the user to input commands one by one instead of from a text file.
* Command Line Switches x2 ([Main.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\Main.py))
  + More Functional
  + Allows for multiple outputs at the same time
* Outputs with TKinter x2 (<TKDrawer.py>)
  + More Functional
  + Even more Functionality with Drawing Shapes
* Supports Piping and Scripting x2 ([Main.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\Main.py))
  + More Flexible
  + Allows the user to Pipe in a file and Output it to multiple Drawers

**Josiah and Marcus Points and Reasoning:**

* Parsed from Configurable Lookup Table x2 ([LookupArgParser.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\LookupArgParser.py))
  + More Flexible
  + It easier to add new functions to lookup table than adding functions to the class directly
* Outputs with turtle x2 ([TDrawer.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\TDrawer.py))
  + More Functional
  + We added more drawing functions to enhance the drawer
* Interactive front-end x2 ([Main.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\Main.py))
  + More Functional
  + Users can input commands dynamically instead of inputting a .txt file
* Command line switches x2 ([LookupArgParser.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\LookupArgParser.py))
  + More Flexible
  + Users can switch between different drawers with command switches
* Uses generic parsing engine x2 ([LookupArgParser.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\LookupArgParser.py))
  + More robust
  + Users can input slightly incorrect commands (e.g. 'C 100' and it will still work)

**Marcus and Tom Points and Reasoning:**

* Output with Pygame x2 ([TDrawer.py](file:///C:\Users\Account_for_work\Desktop\Marcus-Python-Parser\TDrawer.py))
  + More functional
  + We add more drawing functions to enhance the drawer