Building a Morse Code Decoder with Python Classes

Assignment 2 Documentation

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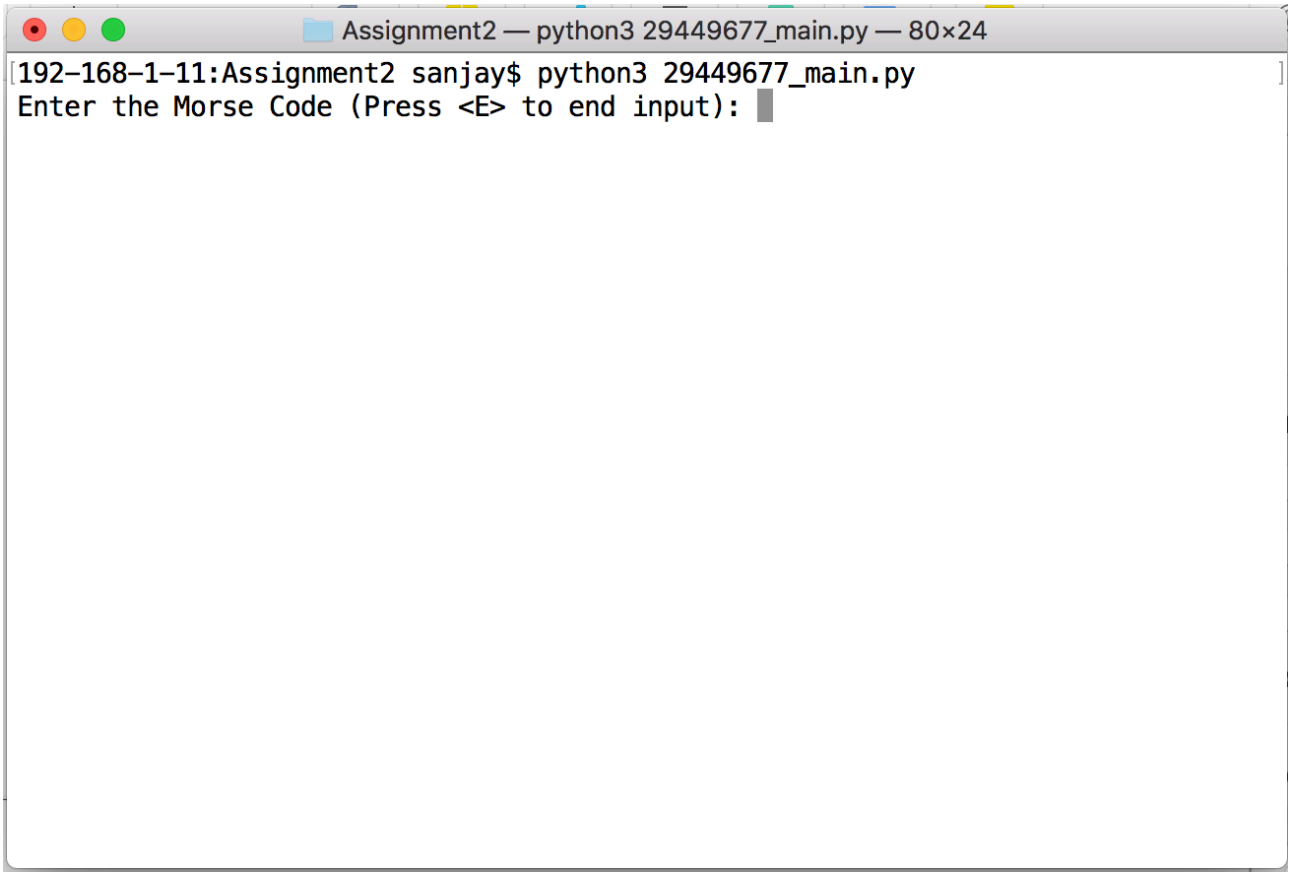
How to run the program

*****Important: Please run the code on a linux or OS X system because text formatting in terminal may cause issues in windows systems*****

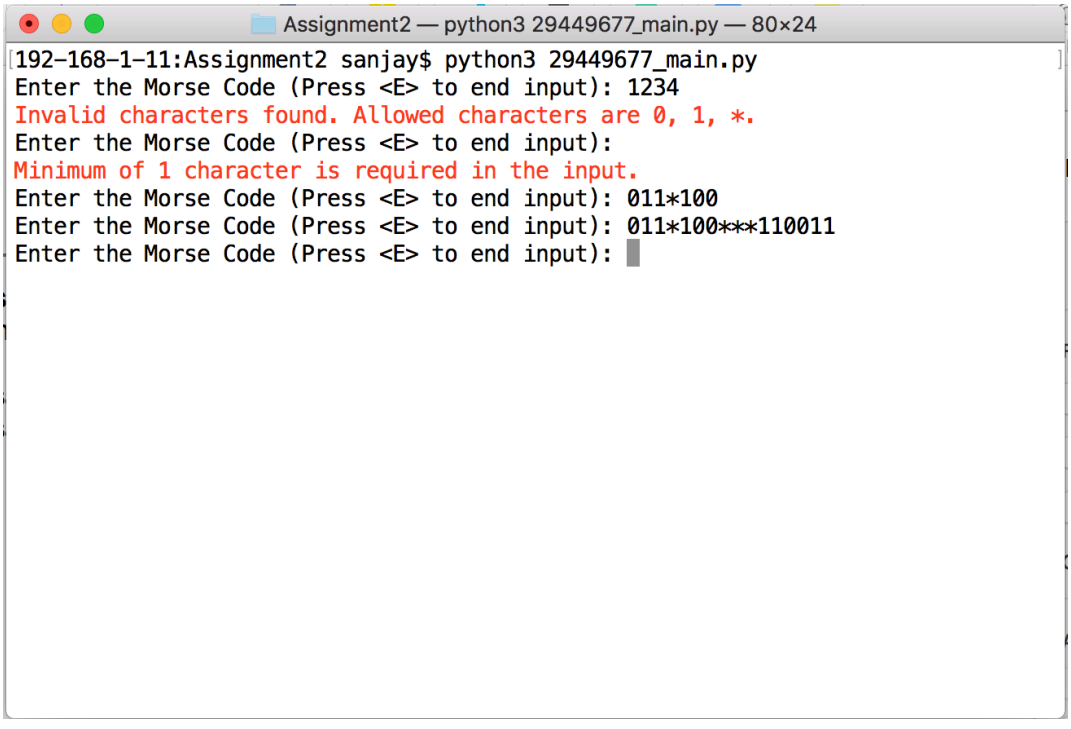
1. Unzip the 29449677_A2.zip to ~/Desktop
2. Move into the folder 29449677 using the command “cd 29449677”
3. Run the command “python3 29449677_main.py”
4. You should get the following screen with prompt to enter the Morse Code sequence.

5. Follow the tutorial in the next section to run the program.

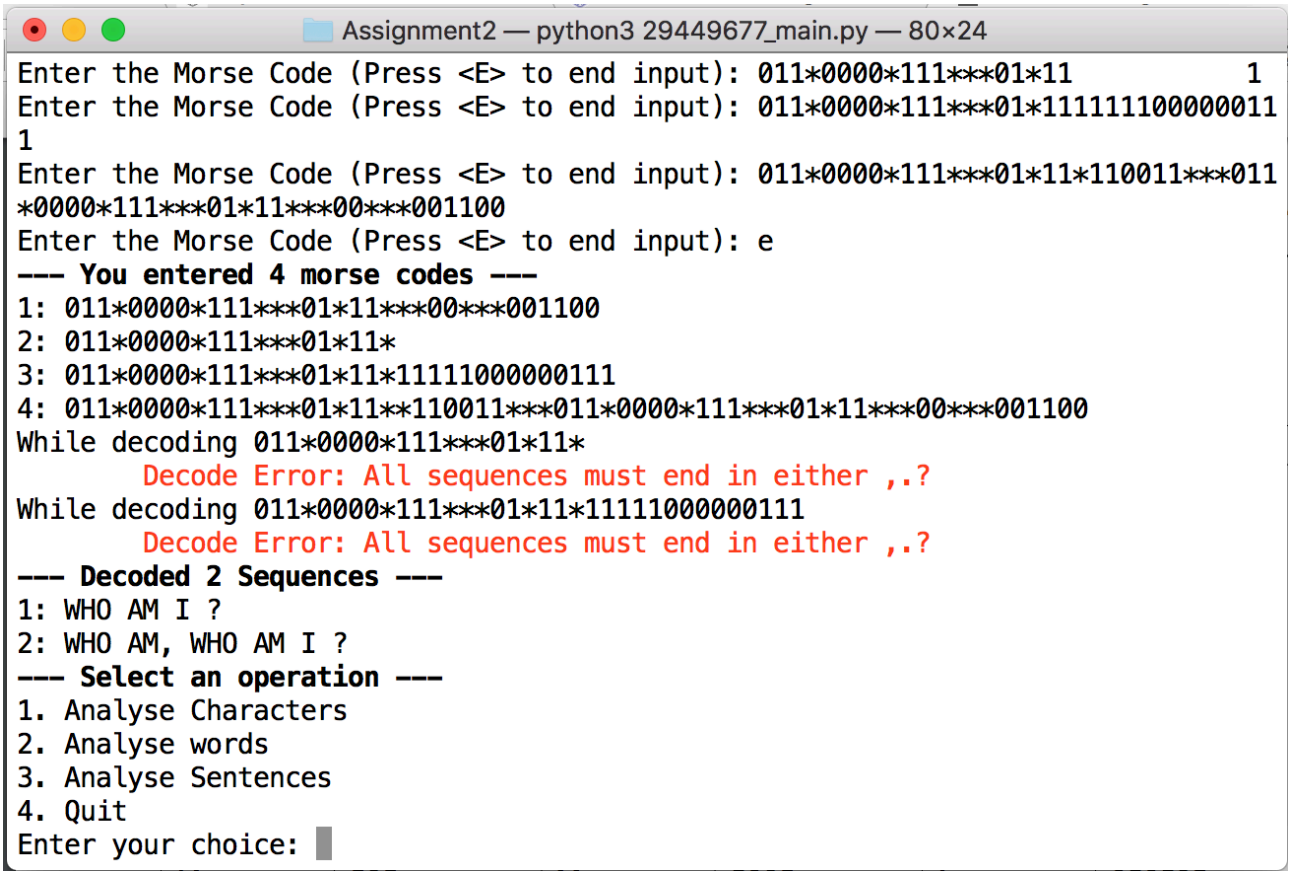
Program Tutorial with Screenshots



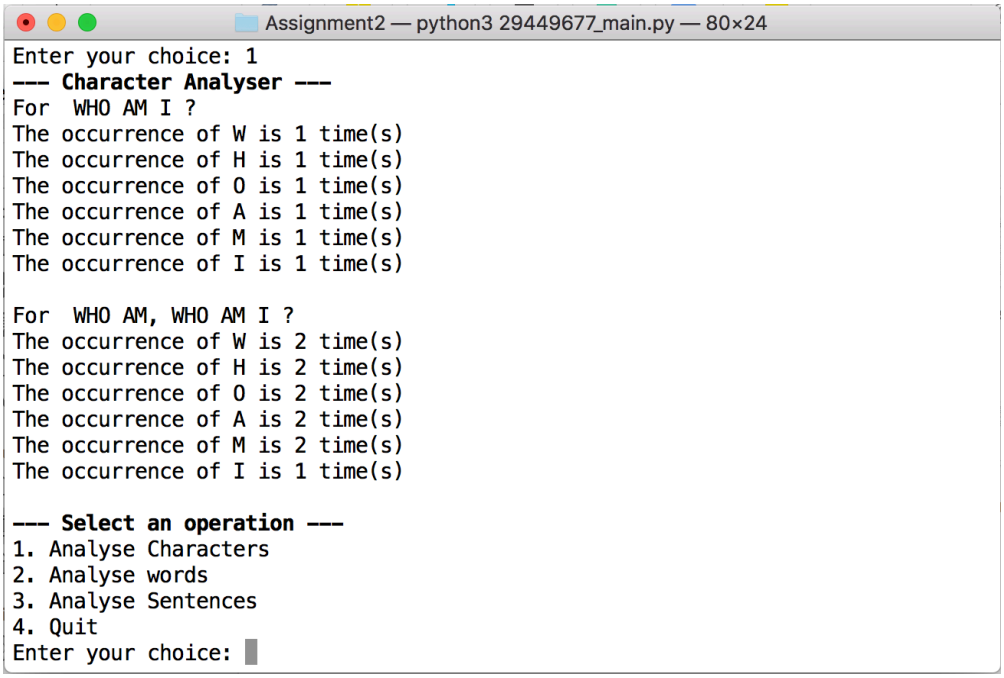
You should be prompted to enter the morse code sequences. You can input the morse code sequences here one after the another by hitting return. If you enter any other characters other than 0, 1 and asterisk, you will get an error message. If your input is less than one character, you will get an error message.



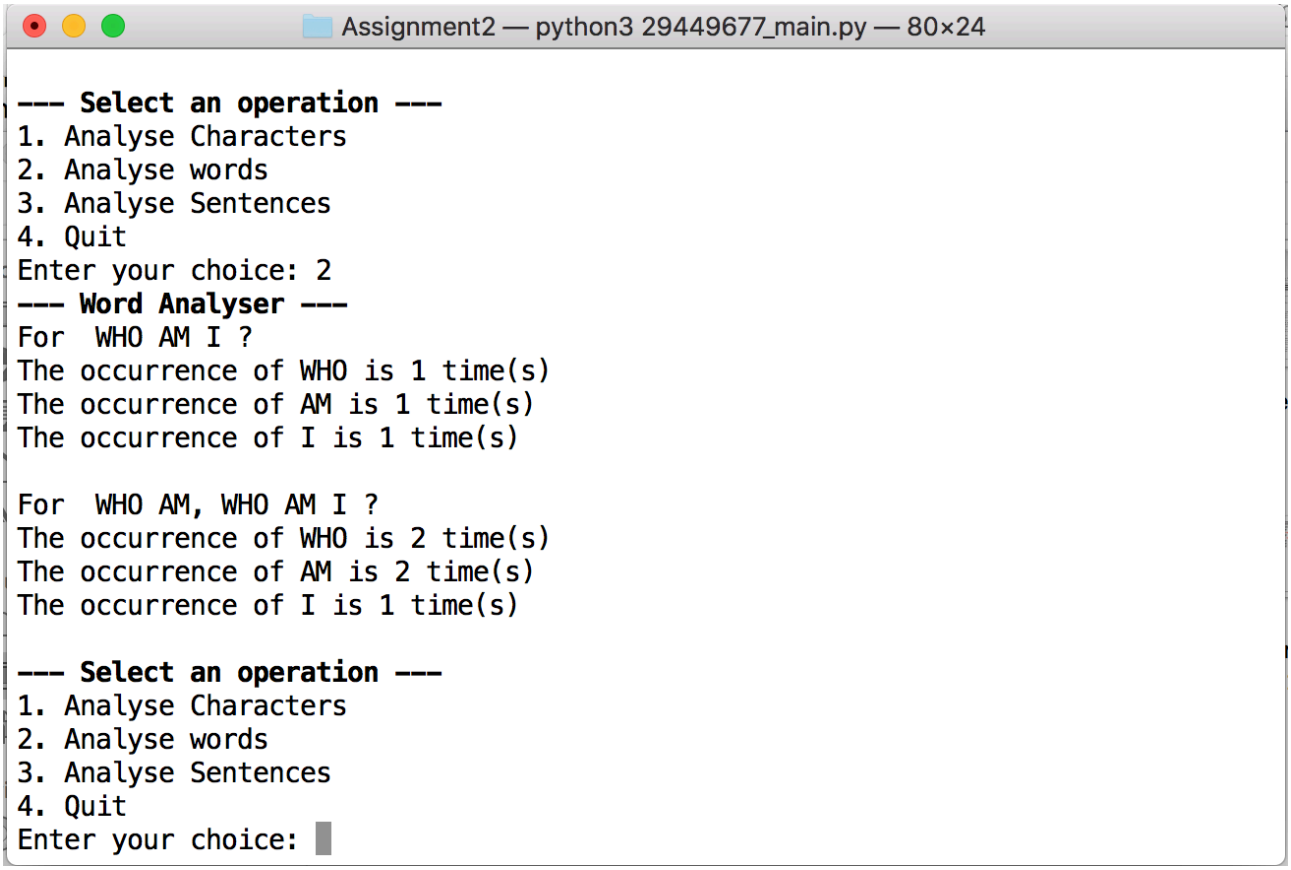
After giving all the inputs press e. The inputs you entered will be displayed. Make sure all the sequences you entered ends with the morse code for either a period, comma or a question mark. Or error message will be shown when decoding that sequence, and wont be decoded. Only the correct sequences will be decoded.



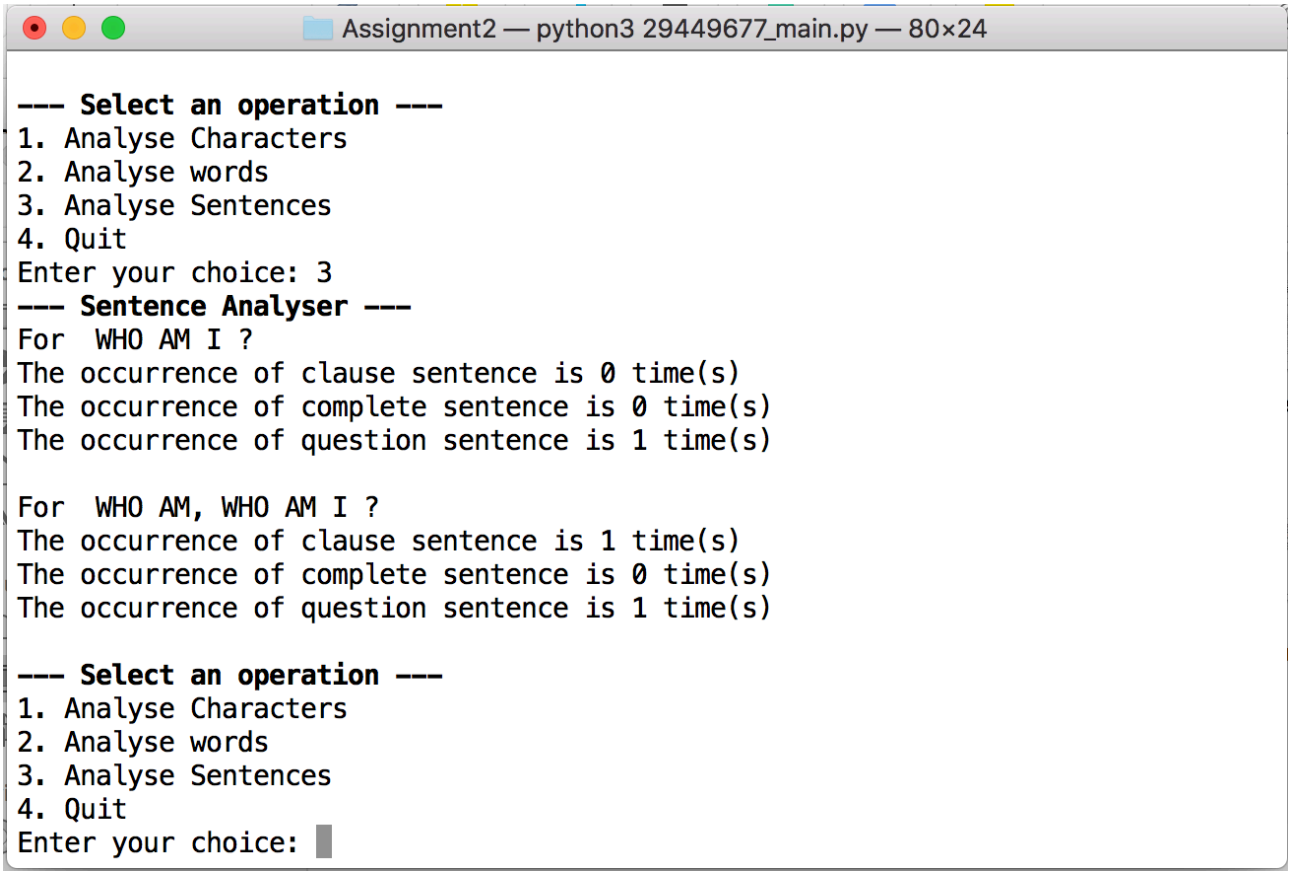
After showing the decoded sequences, you will be given 4 options. You can select any of the 4 options. Screenshots shown below for all four options.
Choice 1- Character Analyser



Choice 2 - Word Analyser



Choice 3 - Sentence Analyser



Choice 4 - The program terminates.