**Flow of Program Control (not finished) to process text.**

This exercise will demonstrate text processing from a file. In the process, a list will be used to store the words.

1. Read in Text from a file into a list of text lines using rstrip()
2. Split each line into a list of words
3. Lower case and remove ending punctuation using lower() and rstrip(endPunc)
4. Put the processed word into a list

|  |  |
| --- | --- |
|  | def main(): |
|  |  |
|  | f = open("getLow.txt","r") #open up a file |
|  | lines = f.readlines() |
|  | f.close() |
|  |  |
|  | endpunc = ',.?!:; ' |
|  | processedWords = [] #make an empty list |
|  |  |
|  | for line in lines: #pull each line from the file |
|  | line = line.rstrip() |
|  | words = line.split(' ') #split the line based on spaces |
|  | #and put the words in a list |
|  |  |
|  | for word in words: # take each word from the list of words |
|  | word=word.lower() # make it all lower case |
|  | word = word.rstrip(endpunc) # strip off ending punctuation |
|  | #print ("word: >>" + word+"<<") |
|  | processedWords.append(word) |
|  |  |
|  | print(\*processedWords) |

Debugging table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| line | line in lines? | words after split | wordbegin | word in words | wordend | processedWords |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |