# Input: Words on the current line of the document

# Output: Unique words in the document up to and including this line

def addUniqueWordOnLine( wordsOnLine, wordList ):

for word in wordsOnLine:

word = word.upper()

word = word.strip( "." )

if word in wordList:

pass

elif word == "-":

pass

else:

wordList.append( word )

# Input: A line of text in the input file

# Output: Words as strings of text on that line

def gimmeWords( lineOfText ):

wordsOnLine = lineOfText.split()

return wordsOnLine

# Input: file name containing text to find unique words in

# Output: list of unique words

def ProcessDocument( filename ):

try:

document = open( filename, "r" )

except:

print( "File " + filename + " did not open." )

document = open( "GettysburgAddress.txt", "r" )

wordList = []

for lineOfText in document:

lineOfText = lineOfText.strip()

wordsOnLine = gimmeWords( lineOfText )

addUniqueWordOnLine( wordsOnLine, wordList )

print( len( wordList ) )

document.close()

return wordList

def main():

unique = ProcessDocument( "GettysburgAddress.txt" )

unique.sort()

print( unique )

main()

The Gettysburg Address

Four score and seven years ago our fathers brought forth on this continent a new nation, conceived in liberty, and dedicated to the proposition that all men are created equal.

Now we are engaged in a great civil war, testing whether that nation, or any nation, so conceived and so dedicated, can long endure. We are met on a great battlefield of that war. We have come to dedicate a portion of that field, as a final resting place for those who here gave their lives that that nation might live. It is altogether fitting and proper that we should do this.

But, in a larger sense, we can not dedicate, we can not consecrate, we can not hallow this ground. The brave men, living and dead, who struggled here, have consecrated it, far above our poor power to add or detract. The world will little note, nor long remember what we say here, but it can never forget what they did here. It is for us the living, rather, to be dedicated here

to the unfinished work which they who fought here have thus far so nobly advanced. It is rather for us to be here dedicated to the great task remaining before us - that from these honored dead we take increased devotion

to that cause for which they gave the last full measure of devotion - that we here highly resolve that these dead shall not have died in vain - that this

nation, under God, shall have a new birth of freedom - and that government of the people, by the people, for the people, shall not perish from the earth.