

**Variables list TASK 1**

sentence – inputted sentence from user

sentencelist – sentence split into list

search – word inputted from user to look for in sentence list

position – index of word list

plural – alters output depending on amount of times word is in sentence

**Variables list TASK 2**

sentence

sentencelist

words – blank array used for indexes of words in sentence list

index – used in for loop

**Variable list TASK 3**

sentencelist

attempt – while loop used for a function

filename – user inputs what they want the file to be named

words

sentencestring – assists the joining of words in the sentence list

sentencename – user inputs what they wish the sentence to be called

sentence

index

optionloop – another while loop for invalid inputs by user

choice – used for main menu selection of different functions

**Function list TASK 3**

readfile() – defines how to read file

compressfile() – defines how to compress a file

menu() – the main menu where you can navigate from function to function