Advanced Search Pseudocode

This assignment took 2 Hours

The hardest part of this assignment was determining the keywords and how to define them in pseudocode.

Nothing was too unclear about this Lab.

main()

# Open JSON file and save contents

READ json file

words <- file.loads

# Ask user for a word to find

GET searchWord

wordFound <- False

# Begin loop to find word

WHILE wordFound == False

# Set length of list as end variable

endpoint <- words.length

# Set start of list as start variable

startpoint <- words[0]

# Set sortpoint as the middle of the range in the list

sortpoint <- (startpoint + endpoint) / 2

# If the word comes after the sortpoint, then set sortpoint as new startpoint

IF searchWord > sortpoint

startpoint <- sortpoint

# If the word comes before the sortpoint, then set sortpoint as new endpoint

ELSE IF searchword < sortpoint

endpoint <- sortpoint

# If the word is found at the sortpoint, then set wordfound to true and print

found

ELSE IF searchword == sortpoint

wordFound <- true

WRITE this word exists at page sortpoint

# If all other conditions failed, then the word is not found

ELSE

wordFound <- true

WRITE this word does not exist

END