

```
GET file_name
OPEN file_name into a variable named f
LOAD f into a json file named data
GET word_to_search
word_found <- advancedSearch(data, word_to_search)
advancedSearch(data, word_to_search)
    start <- 0
    end <- len(data) - 1
    WHILE (start <= end)
        Mid = (start + end) / 2
        if(data[mid] > word_to_search)
            end = mid - 1
        elif(data[mid] < word_to_search)
            start = mid + 1
        else
            return true
    return false
IF (word_found)
    PUT word was found
ELSE
    PUT word was not found
```