

โจทย์ข้อที่ 5

JS ASCII Capitals

Each character in the English Alphabet has an ASCII Char Code. Create a function that converts any word in a given sentence to upper case if the sum of the ASCII codes of the letters in the word is greater than the global average for the sentence. The global average of a sentence is the sum of all the word values divided by ...

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ASCII Capitals

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Each character in the English Alphabet has an ASCII Char Code.

Create a function that converts any word in a given sentence to upper case if the sum of the ASCII codes of the letters in the word is greater than the global average for the sentence.

The global average of a sentence is the sum of all the word values divided by the number of words.

For example:

Word	Tell	me	the	time
Sum	401	210	321	431

Examples

```
averageASCII("Tell me the time") → "TELL me the TIME"  
// Global Average for char code sum of a word is 340.75  
  
averageASCII("To be or not to be") → "To be or NOT to be"  
// Global Average for char code sum of a word is 230.33  
  
averageASCII("Edabit helps you learn in bitesize chunks") → "EDABIT HELPS you l  
// Global Average for char code sum of a word is 533.43
```

Notes

- Do *not* count whitespace as part of a word.
- There will be no punctuation/special characters in the tests.
- If a word does not meet the capitalisation criteria, don't fully lowercase it — leave it how it is (i.e. the first words of a sentence should not be fully lowercased if they don't meet the criteria).
- The char code of a capital letter will be different than its lowercase counterpart.
- When you find the global average, it may help to round it to 2 decimal places, *then* compare against it.

[SUGGEST EDIT](#)

Code

```
assign > JS ASCII_Capitals.js > averageASCII
1  function averageASCII(str) {
2      let strWord = str.split(' ');
3      let strascii = [];
4      let sum = 0 ;
5      for(x=0;x<strWord.length;x++){
6          let temp = 0;
7          for(y=0;y<strWord[x].length;y++){
8              temp+=strWord[x].charCodeAt(y);
9          }
10         strascii.push(temp);
11         sum+=temp;
12     }
13     let ave = sum/strascii.length;
14     for(x=0;x<strascii.length;x++){
15         if(strascii[x]>ave){
16             strWord[x]=strWord[x].toUpperCase();
17         }else{
18             strWord[x]=strWord[x].toLowerCase();
19         }
20     }
21     strWord =strWord.join(' ');
22     return strWord
23 }
```

```
24 console.log(averageASCII("Edabit helps you learn in bitesize chunks"))// "EDABIT HELPS you learn in BITESIZE CHUNKS")
25 console.log(averageASCII("To be or not to be"))//, "To be or NOT to be")
26 console.log(averageASCII("What you egg"))//, "WHAT you egg")
27 console.log(averageASCII("Made by Harith Shah"))//, "Made by HARITH Shah")
28 console.log(averageASCII("Boom"))//, "Boom")
29 console.log(averageASCII("The most addictive way to learn"))//, "The most ADDICTIVE way to LEARN")
30 console.log(averageASCII("Tell me the time"))// "TELL me the TIME"
```

Run

```
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> node .\ASCII_Capitals.js
EDABIT HELPS you learn in BITESIZE CHUNKS
to be or NOT to be
WHAT you egg
made by HARITH shah
boom
the most ADDICTIVE way to LEARN
TELL me the TIME
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> 
```