

1. Write a function that takes a string and returns true if all characters in the string are unique, false otherwise. (Score - 2 )

Note - capital letters and small letters are considered as same value("A"=="a")

Example:

uniqueCharacters("abcdeA") => false

uniqueCharacters("bridgeon") => true

uniqueCharacters("1212") => false

2. Create a function that takes a string and returns the number (count) of vowels contained within it.(Score 3)

Note: Only **a,e,i,o,u** are considered as vowels.

Example:

countVowel("bridgeON") => 2

countVowel("AEIOU") => 0

countVowel("JavaScript") => 3

3. Create a function that extracts the values from the object properties and sum them.(Score 2)

Example:

{ first: 1, second: 6, third: 5 } → 12

{ first: 1, second: -6, third: 10 } → 5

{ first: 3, second: 2.6, third: 10 } → 15.6

4. Write two functions:  
toArray(), which converts a number to an array of its digits.  
toNumber(), which converts an array of digits back to its number.(Score 3)

Examples:

toArray(235) → [2, 3, 5]

toNumber([2, 3, 5]) → 235

toArray(0) → [0]

toNumber([0]) → 0