

splitTokens()

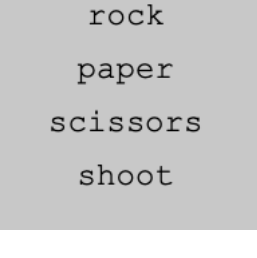
Splits a `String` into pieces and returns an array containing the pieces.

`splitTokens()` is an enhanced version of `split()`. It can split a string when any characters from a list are detected.

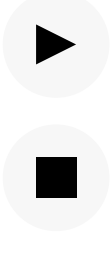
The first parameter, `value`, is the string to split.

The second parameter, `delim`, is optional. It sets the character(s) that should be used to split the string. `delim` can be a single string, as in `splitTokens('rock...paper...scissors...shoot', '...')`, or an array of strings, as in `splitTokens('rock;paper;scissors...shoot', [';', ',', '...'])`. By default, if no `delim` characters are specified, then any whitespace character is used to split. Whitespace characters include tab (`\t`), line feed (`\n`), carriage return (`\r`), form feed (`\f`), and space.

Examples



```
function setup() {  
  createCanvas(100, 100);  
  
  background(200);  
  
  // Create a string variable.  
  let string = 'rock paper scissors shoot';  
  
  // Split the string at each space.  
  let words = splitTokens(string);  
  
  // Print the array to the console.  
  print(words);  
  
  // Style the text.  
  textAlign(CENTER, CENTER);  
  textFont('Courier New');  
  textSize(12);  
  
  // Iterate over the words array.  
  for (let i = 0; i < words.length; i += 1) {  
  
    // Calculate the y-coordinate.  
    let y = (i + 1) * 20;  
  
    // Display the word.  
    text(words[i], 50, y);  
  }  
  
  describe(  
    'The words "rock", "paper", "scissors", and "shoot"  
    written on separate lines. The text is black on a gray  
    background.'
```



```
function setup() {  
  createCanvas(100, 100);  
  
  background(200);  
  
  // Create a string variable.  
  let string = 'rock...paper...scissors...shoot';  
  
  // Split the string at each ...  
  let words = splitTokens(string, '...');  
  
  // Print the array to the console.  
  print(words);  
  
  // Style the text.  
  textAlign(CENTER, CENTER);  
  textFont('Courier New');  
  textSize(12);  
  
  // Iterate over the words array.  
  for (let i = 0; i < words.length; i += 1) {  
  
    // Calculate the y-coordinate.  
    let y = (i + 1) * 20;  
  
    // Display the word.  
    text(words[i], 50, y);  
  }  
  
  describe(  
    'The words "rock", "paper", "scissors", and "shoot"  
    written on separate lines. The text is black on a gray  
    background.'
```



```
function setup() {  
  createCanvas(100, 100);  
  
  background(200);  
  
  // Create a string variable.  
  let string = 'rock;paper;scissors...shoot';  
  
  // Split the string at each semicolon, comma, or ...  
  let words = splitTokens(string, [';', ',', '...']);  
  
  // Print the array to the console.  
  print(words);  
  
  // Style the text.  
  textAlign(CENTER, CENTER);  
  textFont('Courier New');  
  textSize(12);  
  
  // Iterate over the words array.  
  for (let i = 0; i < words.length; i += 1) {  
  
    // Calculate the y-coordinate.  
    let y = (i + 1) * 20;  
  
    // Display the word.  
    text(words[i], 50, y);  
  }  
  
  describe(  
    'The words "rock", "paper", "scissors", and "shoot"  
    written on separate lines. The text is black on a gray  
    background.'
```

Syntax

`splitTokens(value, [delim])`

Parameters

`value` String: string to split.
`delim` String: character(s) to use for splitting the string.

Returns

`String[]`: separated strings.

This page is generated from the comments in `src/utilities/string_functions.js`. Please feel free to edit it and submit a pull request!

Related References

join Combines an array of strings into one string.	match Applies a regular expression to a string and returns an array with the first match.	matchAll Applies a regular expression to a string and returns an array of matches.	nf Converts a Number into a String with a given number of digits.
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