

# String

 Apr 05, 2024 03:39

## Supported Clients

SmartClient WebClient NGClient MobileClient

## Property Summary

Number length Gives the length of the string.

## Methods Summary

|         |                                     |                                                                                                                                                |
|---------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| String  | anchor(nameAttribute)               | returns a copy of the string embedded within an anchor &lt;A> tag set.                                                                         |
| String  | big()                               | returns a copy of the string embedded within an &lt;BIG> tag set.                                                                              |
| String  | blink()                             | returns a copy of the string embedded within an &lt;BLINK> tag set.                                                                            |
| String  | bold()                              | returns a copy of the string embedded within an &lt;B> tag set.                                                                                |
| Number  | charAt(index)                       | returns a character of the string.                                                                                                             |
| Number  | charCodeAt(index)                   | returns a decimal code of the char in the string.                                                                                              |
| String  | concat(string2)                     | returns a string that appends the parameter string to the string.                                                                              |
| String  | concat(string2, stringN)            | returns a string that appends the parameter string to the string.                                                                              |
| String  | endsWith(searchString)              | Determines whether a string ends with the characters of a specified string, returning true or false as appropriate.                            |
| String  | endsWith(searchString, length)      | Determines whether a string ends with the characters of a specified string, returning true or false as appropriate.                            |
| Boolean | equals(other)                       | returns a boolean that checks if the given string is equal to the string                                                                       |
| Boolean | equalsIgnoreCase(other)             | returns a boolean that checks if the given string is equal to the string ignoring case                                                         |
| String  | fixed()                             | returns a copy of the string embedded within an anchor &lt;TT> tag set.                                                                        |
| String  | fontcolor(color)                    | returns a copy of the string embedded within an &lt;FONT> tag set, the color param is assigned the color attribute.                            |
| String  | fontsize(size)                      | returns a copy of the string embedded within an &lt;FONT> tag set, The size param is set to the SIZE attribute                                 |
| String  | fromCharCode(num)                   | returns a string created by using the specified sequence of Unicode values.                                                                    |
| String  | includes()                          | Determines whether one string may be found within another string.                                                                              |
| Number  | indexOf(searchValue, fromIndex)     | returns the found index of the given string in string.                                                                                         |
| String  | italics()                           | returns a copy of the string embedded within an &lt;I> tag set                                                                                 |
| Number  | lastIndexOf(searchValue, fromIndex) | returns the found index of the given string in string.                                                                                         |
| String  | link(hrefAttribute)                 | returns a copy of the string embedded within an &lt;A> tag set.                                                                                |
| Number  | localeCompare(otherString)          |                                                                                                                                                |
| Array   | match(regex)                        | returns an array of strings within the current string that matches the regexp.                                                                 |
| String  | normalize()                         | Returns the Unicode Normalization Form of the string.                                                                                          |
| String  | normalize(form)                     | Returns the Unicode Normalization Form of the string.                                                                                          |
| String  | repeat(count)                       | Constructs and returns a new string which contains the specified number of copies of the string on which it was called, concatenated together. |
| String  | replace(regex, function)            | returns a new string where the matches of the given regexp are replaced by the return value of the function.                                   |
| String  | replace(regex, newSubStr)           | returns a new string where the matches of the given reg exp are replaced by newSubStr.                                                         |
| String  | replace(substr, function)           | returns a new string where the first match of the given substr is replaced by the return value of the function.                                |
| String  | replace(substr, newSubStr)          | returns a new string where the first match of the given substr is replaced by newSubStr.                                                       |
| Number  | search(regex)                       | returns an index where the first match is found of the regexp                                                                                  |
| String  | slice(beginSlice)                   | returns a substring of the string.                                                                                                             |
| String  | slice(beginSlice, endSlice)         | returns a substring of the string.                                                                                                             |
| String  | small()                             | returns a copy of the string embedded within an &lt;SMALL> tag set.                                                                            |
| String  | split(separator, limit)             | returns an array of objects whose elements are segments of the current string.                                                                 |
| String  | split(separator, limit)             | returns an array of objects whose elements are segments of the current string.                                                                 |
| String  | startsWith(searchString)            | Determines whether a string begins with the characters of a specified string, returning true or false as appropriate.                          |
| String  | startsWith(searchString, position)  | Determines whether a string begins with the characters of a specified string, returning true or false as appropriate.                          |
| String  | strike()                            | returns a copy of the string embedded within an &lt;STRIKE> tag set.                                                                           |
| String  | sub()                               | returns a copy of the string embedded within an &lt;SUB> tag set.                                                                              |
| String  | substr(start)                       | returns a substring of the string from the start with the number of chars specified.                                                           |
| String  | substr(start, length)               | returns a substring of the string from the start with the number of chars specified.                                                           |
| String  | substring(indexA)                   | Returns a substring of the string from the start index until the end index.                                                                    |
| String  | substring(indexA, indexB)           | Returns a substring of the string from the start index until the end index.                                                                    |
| String  | sup()                               | returns a copy of the string embedded within an &lt;SUP> tag set.                                                                              |
| String  | toLocaleLowerCase()                 |                                                                                                                                                |
| String  | toLocaleUpperCase()                 |                                                                                                                                                |

---

|        |                               |                                                                    |
|--------|-------------------------------|--------------------------------------------------------------------|
| String | <a href="#">toLowerCase()</a> | returns a string with all lowercase letters of the current string. |
| String | <a href="#">toUpperCase()</a> | returns a string with all uppercase letters of the current string. |
| String | <a href="#">trim()</a>        | Returns the string stripped of whitespace from both ends.          |

## Property Details

### length

Gives the length of the string.

### Returns

[Number](#)

### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

### Sample

```
string.length;
```

## Methods Details

### anchor(nameAttribute)

returns a copy of the string embedded within an anchor <A> tag set.

### Parameters

[String](#) nameAttribute ;

### Returns

[String](#)

### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

### Sample

```
string.anchor();
```

### big()

returns a copy of the string embedded within an <BIG> tag set.

### Returns

[String](#)

### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

### Sample

```
string.big();
```

### blink()

returns a copy of the string embedded within an <BLINK> tag set.

### Returns

[String](#)

### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

### Sample

```
string.blink();
```

### bold()

returns a copy of the string embedded within an <B> tag set.

---

**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.bold();
```

**charAt(index)**

returns a character of the string.

**Parameters**[Number](#) index;**Returns**[Number](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.charAt(integer_position);
```

**charCodeAt(index)**

returns a decimal code of the char in the string.

**Parameters**[Number](#) index;**Returns**[Number](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.charCodeAt(integer_position);
```

**concat(string2)**

returns a string that appends the parameter string to the string.

**Parameters**[String](#) string2;**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.concat(string);
```

**concat(string2, stringN)**

returns a string that appends the parameter string to the string.

**Parameters**[String](#) string2 ;[String](#) stringN;**Returns**[String](#)

---

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.concat(string);
```

**endsWith(searchString)**

Determines whether a string ends with the characters of a specified string, returning true or false as appropriate.

**Parameters**

[String](#) searchString The characters to be searched for at the end of str.

**Returns**

[String](#) true if the given characters are found at the end of the string; otherwise, false

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
var str1 = 'Cats are the best!';  
application.output(str1.endsWith('best', 17));
```

**endsWith(searchString, length)**

Determines whether a string ends with the characters of a specified string, returning true or false as appropriate.

**Parameters**

[String](#) searchString The characters to be searched for at the end of str.

[Number](#) length If provided, it is used as the length of str. Defaults to str.length.

**Returns**

[String](#) true if the given characters are found at the end of the string; otherwise, false

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
var str1 = 'Cats are the best!';  
application.output(str1.endsWith('best', 17));
```

**equals(other)**

returns a boolean that checks if the given string is equal to the string

**Parameters**

[String](#) other ;

**Returns**

[Boolean](#)

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.equals(string);
```

**equalsIgnoreCase(other)**

returns a boolean that checks if the given string is equal to the string ignoring case

**Parameters**

[String](#) other ;

**Returns**

[Boolean](#)

---

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.equalsIgnoreCase(string);
```

**fixed()**

returns a copy of the string embedded within an anchor &lt;TT&gt; tag set.

**Returns**[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.fixed();
```

**fontcolor(color)**

returns a copy of the string embedded within an &lt;FONT&gt; tag set, the color param is assigned the the color attribute.

**Parameters**[String](#) color ;**Returns**[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.fontcolor(color);
```

**fontsize(size)**

returns a copy of the string embedded within an &lt;FONT&gt; tag set, The size param is set to the SIZE attribute

**Parameters**[Number](#) size ;**Returns**[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.fontsize(size);
```

**fromCharCode(num)**

returns a string created by using the specified sequence of Unicode values.

**Parameters**[Array](#) num ;**Returns**[String](#)**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

---

**Sample**

```
String.fromCharCode(num)
// String.fromCharCode(num1,num2,num3)
```

**includes()**

Determines whether one string may be found within another string.

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.includes('foo');
```

**indexOf(searchValue, fromIndex)**

returns the found index of the given string in string.

**Parameters**

[String](#) searchValue;  
[Number](#) fromIndex ;

**Returns**

[Number](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.indexOf(string, startPosition);
```

**italics()**

returns a copy of the string embedded within an <i> tag set

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.italics();
```

**lastIndexOf(searchValue, fromIndex)**

returns the found index of the given string in string from the end.

**Parameters**

[String](#) searchValue;  
[Number](#) fromIndex ;

**Returns**

[Number](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.lastIndexOf(string, startPosition);
```

**link(hrefAttribute)**

---

returns a copy of the string embedded within an <A> tag set.

**Parameters**

[String](#) hrefAttribute ;

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.link(url);
```

**localeCompare(otherString)****Parameters**

[String](#) otherString ;

**Returns**

[Number](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
var s = "Have a nice day!";  
application.output(s.localeCompare("Hello"));
```

**match(regex)**

returns an array of strings within the current string that matches the regexp.

**Parameters**

[RegExp](#) regexp ;

**Returns**

[Array](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.match(regex);
```

**normalize()**

Returns the Unicode Normalization Form of the string. (defaults to "NFC" form)

**Returns**

[String](#) A string containing the Unicode Normalization Form of the given string.

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample****normalize(form)**

Returns the Unicode Normalization Form of the string.  
form param can be one of "NFC", "NFD", "NFKC", or "NFKD", specifying the Unicode Normalization Form. If omitted or undefined, "NFC" is used.

These values have the following meanings:

"NFC"  
Canonical Decomposition, followed by Canonical Composition.  
"NFD"  
Canonical Decomposition.  
"NFKC"  
Compatibility Decomposition, followed by Canonical Composition.  
"NFKD"  
Compatibility Decomposition.

#### Parameters

[String](#) form param can be one of "NFC", "NFD", "NFKC", or "NFKD",

#### Returns

[String](#) A string containing the Unicode Normalization Form of the given string.

#### Supported Clients

SmartClient,WebClient,NGClient,MobileClient

#### Sample

```
var string1 = '\u00F1';           // ?
var string2 = '\u006E\u0303';    // ?

string1 = string1.normalize('NFD');
string2 = string2.normalize('NFD');

application.output(string1 === string2); // true
application.output(string1.length);      // 2
application.output(string2.length);      // 2
```

#### repeat(count)

Constructs and returns a new string which contains the specified number of copies of the string on which it was called, concatenated together.

#### Parameters

[Number](#) count An integer between 0 and +Infinity, indicating the number of times to repeat the string.

#### Returns

[String](#) A new string containing the specified number of copies of the given string.

#### Supported Clients

SmartClient,WebClient,NGClient,MobileClient

#### Sample

```
var str = 'abc'.repeat(2); // 'abcabc'
```

#### replace(regexp, function)

returns a new string where the matches of the given regexp are replaced by the return value of the function. The function parameter is the function to be invoked to create the new substring (to put in place of the substring received from parameter #1).

#### Parameters

[RegExp](#) regexp ;  
[Function](#) function ;

#### Returns

[String](#)

#### Supported Clients

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
//the callback definition
function replacer(match, p1, p2, p3, offset, string){
    // match is the matched substring
    // p1 is non-digits, p2 digits, and p3 non-alphanumerics
    // offset is the offset of the matched substring within the total string being examined
    // string is the total string being examined
    return [p1, p2, p3].join(' - ');
}
// using replace method with replacer callback
newString = "abc12345#$*%".replace(/([^\d]*)(\d*)([^\w]*)/, replacer);
```

**replace(regex, newSubStr)**

returns a new string where the matches of the given reg exp are replaced by newSubStr.

**Parameters**

`RegExp` regex ;  
`String` newSubStr;

**Returns**

`String`

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.replace(regex,newSubStr);
//var re = /(\w+)\s(\w+)/;
//var str = "John Smith";
//var newstr = str.replace(re, "$2, $1");
//application.output(newstr);
```

**replace(substr, function)**

returns a new string where the first match of the given substr is replaced by the return value of the function. The function parameter is the function to be invoked to create the new substring (to put in place of the substring received from parameter #1).

**Parameters**

`String` substr ;  
`Function` function;

**Returns**

`String`

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
// the callback definition
function replacer(match){
    return match.toUpperCase()
}
// using replace method with replacer callback
var newString = "abc".replace("a", replacer);
```

**replace(substr, newSubStr)**

returns a new string where the first match of the given substr is replaced by newSubStr.

**Parameters**

`String` substr ;  
`String` newSubStr;

**Returns**

`String`

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

---

**Sample**

```
string.replace(substr,newSubStr);
```

**search(regex)**

returns an index where the first match is found of the regexp

**Parameters**

[RegExp](#) regexp;

**Returns**

[Number](#)

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.search(regexpr);
```

**slice(beginSlice)**

returns a substring of the string.

**Parameters**

[Number](#) beginSlice;

**Returns**

[String](#)

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.slice(start,end);
```

**slice(beginSlice, endSlice)**

returns a substring of the string.

**Parameters**

[Number](#) beginSlice;

[Number](#) endSlice ;

**Returns**

[String](#)

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.slice(start,end);
```

**small()**

returns a copy of the string embedded within an <SMALL> tag set.

**Returns**

[String](#)

**Supported Clients**

SmartClient,WebClient,NGClient,MobileClient

**Sample**

```
string.small();
```

**split(separator, limit)**

---

returns an array of objects whose elements are segments of the current string.

#### Parameters

**Regex** **separator** Specifies the string which denotes the points at which each split should occur. If separator is an empty string, str is converted to an array of characters.  
**Number** **limit** Optional integer specifying a limit on the number of splits to be found.

#### Returns

**String**

#### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

#### Sample

```
var myString = 'Hello 1 word. Sentence number 2.';
var splits = myString.split(new RegExp(/(\d)/), 2);
application.output(splits); //prints [Hello , 1]
```

### split(separator, limit)

returns an array of objects whose elements are segments of the current string.

#### Parameters

**String** **separator** Specifies the string which denotes the points at which each split should occur. If separator is an empty string, str is converted to an array of characters.  
**Number** **limit** Optional integer specifying a limit on the number of splits to be found.

#### Returns

**String**

#### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

#### Sample

```
var myString = 'Hello 1 word. Sentence number 2.';
var splits = myString.split(' ');
application.output(splits);
```

### startsWith(searchString)

Determines whether a string begins with the characters of a specified string, returning true or false as appropriate.

#### Parameters

**String** **searchString** The characters to be searched for at the start of this string.

#### Returns

**String** true if the given characters are found at the beginning of the string; otherwise, false

#### Supported Clients

SmartClient, WebClient, NGClient, MobileClient

#### Sample

```
var str1 = 'Cats are the best!';
application.output(str1.startsWith('Cats'));
```

### startsWith(searchString, position)

Determines whether a string begins with the characters of a specified string, returning true or false as appropriate.

#### Parameters

**String** **searchString** The characters to be searched for at the start of this string.  
**Number** **position** The position in this string at which to begin searching for searchString. Defaults to 0.

#### Returns

**String** true if the given characters are found at the beginning of the string; otherwise, false

---

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
var str1 = 'Cats are the best!';
application.output(str1.startsWith('Cats'));
```

**strike()**

returns a copy of the string embedded within an &lt;STRIKE&gt; tag set.

**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.strike();
```

**sub()**

returns a copy of the string embedded within an &lt;SUB&gt; tag set.

**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.sub();
```

**substr(start)**

returns a substring of the string from the start with the number of chars specified.

**Parameters**[Number](#) start;**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.substr(start, number_of_chars);
```

**substr(start, length)**

returns a substring of the string from the start with the number of chars specified.

**Parameters**[Number](#) start ;[Number](#) length;**Returns**[String](#)**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.substr(start, number_of_chars);
```

**substring(indexA)**

---

Returns a substring of the string from the start index until the end index.

**Parameters**

Number indexA;

**Returns**

String

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.substring(start, end);
```

**substring(indexA, indexB)**

Returns a substring of the string from the start index until the end index.

**Parameters**

Number indexA;

Number indexB;

**Returns**

String

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.substring(start, end);
```

**sup()**

returns a copy of the string embedded within an <sup> tag set.

**Returns**

String

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.sup();
```

**toLocaleLowerCase()****Returns**

String

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
var s = "Have a nice day!";  
application.output(s.toLocaleLowerCase());
```

**toLocaleUpperCase()****Returns**

String

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

---

**Sample**

```
var s = "Have a nice day!";  
application.output(s.toLocaleUpperCase());
```

**toLowerCase()**

returns a string with all lowercase letters of the current string.

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.toLowerCase();
```

**toUpperCase()**

returns a string with all uppercase letters of the current string.

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.toUpperCase();
```

**trim()**

Returns the string stripped of whitespace from both ends.

**Returns**

[String](#)

**Supported Clients**

SmartClient, WebClient, NGClient, MobileClient

**Sample**

```
string.trim();
```