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Convert string to array in javascript

Posted on [March 23, 2019](#) | by [Prashant Yadav](#)

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Learn different approaches to convert [string](#) to [array](#) of characters in javascript. Everything will be written in [ES6](#).

Using [split\(\)](#)

[split\(\)](#) method creates an array of substrings by breaking the string at a specific separator.

```
let str = 'learnersbucket';
let strArray = str.split('');
console.log(strArray);
// ["l", "e", "a", "r", "n", "e", "r", "s", "b", "u", "c", "k", "e", "t"]
```

The `split(separator, limit)` method takes two parameters.

- **separator**: An identifier at which the string will be split into substrings.
- **limit(optional)**: No of substrings to be returned.

```
let str = 'is javascript wierd language';
let strArray = str.split(' ', 2);
console.log(strArray);
// ["is", "javascript"]
```

The above method splits the string at whitespace `' '` and returns array with two substrings.

This method does not mutates the original string.

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```
let str = 'is,javascript,wierd,language';
let strArray = str.split(',');

console.log(strArray);
//["is", "javascript", "wierd", "language"]

console.log(str);
//"is,javascript,wierd,language"
```

Iterative approach

We can also iterate through each character of the string and then create an array of characters or substrings.

```
let str = 'learnersbucket';
let strArray = [];
for(let char of str){
    strArray.push(char);
}

console.log(strArray);
//["l", "e", "a", "r", "n", "e", "r", "s", "b", "u", "c", "k", "e", "t"]
```

Converting string into array of substrings

We can also use custom conditions to create substrings and then add it to the array.

```
let str = 'is,javascript,wierd,language';
let strArray = [];

//Temp string
let temp = '';

for(let char of str){

    //if current character is ,
    if(char === ','){
        //then push the substring
        strArray.push(temp);
        temp = '';
        continue;
    }

    //Create substring
    temp += char;
};

//Push the last substring
strArray.push(temp);

console.log(strArray);
//["is", "javascript", "wierd", "language"]
```

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