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Convert string to array in javascript

Posted on March 23, 2019 | by Prashant Yadav

Posted in Arrays, Javascript, String

Learn different approaches to convert <u>string</u> to <u>array</u> of characters in javascript. Everything will be written in <u>ES6</u>.

Using split()

<u>split()</u> 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", "e", "r", "s", "b", "u", "c", "k", "e", "t"]
```

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

- **separator**: An idendifier 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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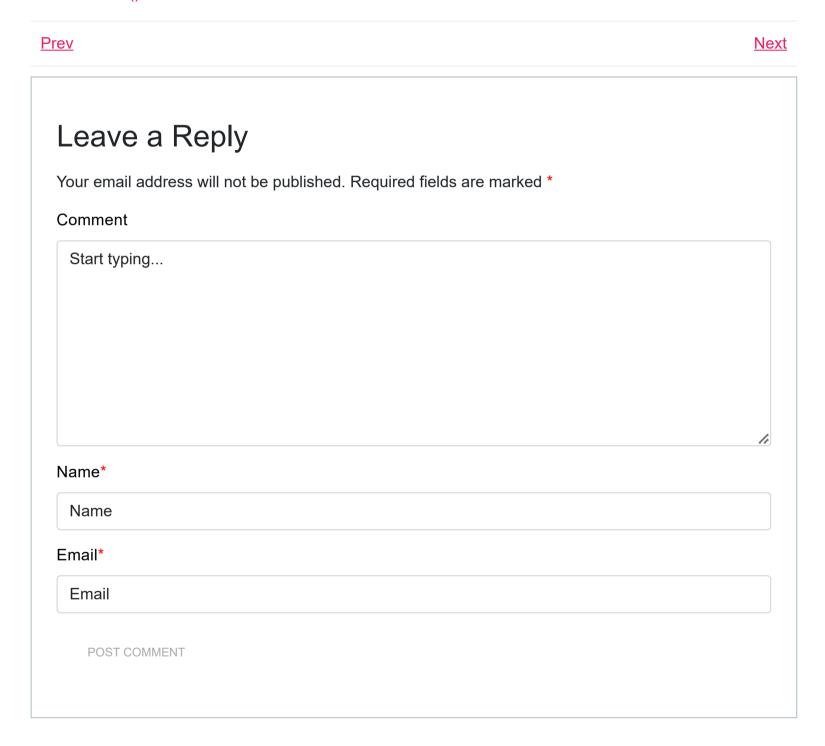
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