

# URLSearchParams

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## Examples

```
URLSearchParams { }      URL ?foo=bar
[ ]                      URL { }      searchParams { }
URLSearchParams { }

URLSearchParams { }      for...of { }
```

```
for (const [key, value] of mySearchParams) {  
}
```



URLSearchParams

```
const params = new URLSearchParams();
```



```
const params = new URLSearchParams('?a=1&b=2');
```



```
const paramsString = "http://example.com/search?query=%40";  
const params = new URLSearchParams(paramsString);
```



URLSearchParams

http://example.com/search?query

query



```
// 初始化  
const params3 = new URLSearchParams([  
  ["foo", "1"],  
  ["bar", "2"],  
]);  
  
// 初始化  
const params1 = new URLSearchParams({ foo: "1", bar: "2" });
```



URLSearchParams

```
const params = new URLSearchParams({foo: 1, bar: 2});  
fetch('https://example.com/api', {  
  method: 'POST',  
  body: params  
}).then(...)
```



fetch

URLSearchParams

URLSearchParams

```
const params1 = new URLSearchParams('?a=1&b=2');
const params2 = new URLSearchParams(params1);
```

params1 params2

URLSearchParams

```
const params = new URLSearchParams({'foo': ' '});
params.toString() // "foo=%E4%BD%A0%E5%A5%BD"
```

foo URLSearchParams URL

URLSearchParams

```
const params1 = new URLSearchParams("foo&bar=baz");
const params2 = new URLSearchParams("foo=&bar=baz");
```

foo URLSearchParams

# append()

append()

```
const params = new URLSearchParams('a=1&b=2');

params.append('a', 3);
params.toString() // 'a=1&b=2&a=3'
```

a append() a=3

# delete()

delete()

## get()

get()

```
const params = new URLSearchParams('?a=1&b=2');  
params.get('a') // 1
```

null

get()

```
const params = new URLSearchParams(`c=a+b`);  
params.get('c') // 'a b'
```

get()

a+b

a b

encodeURIComponent()

## getAll()

getAll()

```
const params = new URLSearchParams('?a=1&b=2&a=3');  
params.getAll('a') // [ '1', '3' ]
```

## has()

has()

```
const params = new URLSearchParams('?a=1&b=2');  
params.has('a') // true  
params.has('c') // false
```

## set()

set()

append()

```
const params = new URLSearchParams('?a=1&b=2');
params.set('a', 3);
params.toString() // 'a=3&b=2'
```

URLSearchParams    set()    a

URLSearchParams    set()    URLSearchParams

```
const params = new URLSearchParams('?foo=1&foo=2');
params.set('foo', 3);
params.toString() // "foo=3"
```

URLSearchParams    foo    set()    URLSearchParams    foo

## sort()

sort()    Unicode    URLSearchParams

```
const params = new URLSearchParams('?a=1&b=2&a=3');
params.sort();
params.toString() // 'a=1&a=3&b=2'
```

## entries()

entries()    iterator    URLSearchParams

```
const params = new URLSearchParams("key1=value1&key2=value2");

for (const [key, value] of params.entries()) {
  console.log(`${key}, ${value}`);
}
// key1, value1
// key2, value2
```

URLSearchParams    for...of    entries

```
for (var p of params) {}
// 
for (var p of params.entries()) {}
```

# forEach()

forEach() 



callback 

thisArg 

callback

 this 

```
forEach(callback)
forEach(callback, thisArg)
```

callback 

- value 
- key 
- searchParams  URLSearchParams 



```
const params = new URLSearchParams("key1=value1&key2=value2");

params.forEach((value, key) => {
  console.log(value, key);
});
// value1 key1
// value2 key2
```

# keys()

keys()  iterator 

```
const params = new URLSearchParams("key1=value1&key2=value2");

for (const key of params.keys()) {
  console.log(key);
}
// key1
// key2
```

# values()

values()  iterator 

```
const params = new URLSearchParams("key1=value1&key2=value2");

for (const value of params.values()) {
  console.log(value);
}
// value1
// value2
```



```
Array.from(params.values()) // ['value1', 'value2']
```

## toString()

toString()  URLSearchParams   
window.location.search 



## size

size 

```
const params = new URLSearchParams("c=4&a=2&b=3&a=1");
params.size; // 4
```



a 

size 



Set 

```
[...new Set(params.keys())].length // 3
```

size 

```
const url = new URL("https://example.com?foo=1&bar=2");

if (url.searchParams.size) {
```

```
console.log(" URL ");  
}
```

#1

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