

Console in JavaScript

A Web console is a tool which is mainly used to log information associated with a web page like: *network requests, javascript, security errors, warnings, CSS etc.* It enables us to interact with a web page by executing javascript expression in the contents of the page

In javascript, the console is an object which provides access to the browser debugging console

The console object provides us with several different methods, like :

- log()
- error()
- warn()
- clear()
- time() and timeEnd()
- table()
- count()

console.log()

console.log() method

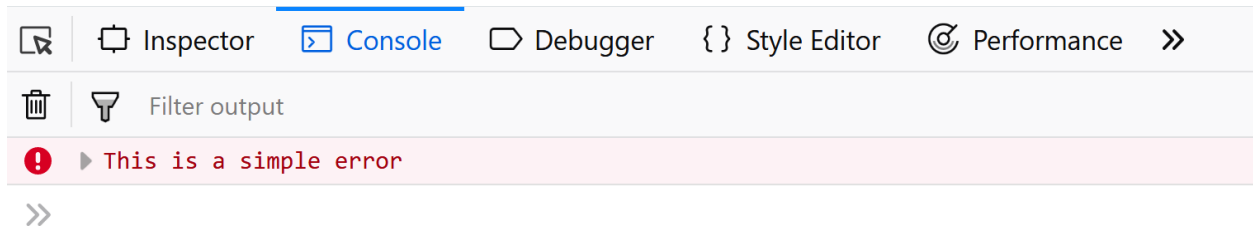
```
console.log('abc');  
console.log(1);  
console.log(true);  
console.log(null);  
console.log(undefined);  
console.log([1, 2, 3, 4]); array inside log  
console.log({a:1, b:2, c:3}); object inside log
```



Console. Error()

console.error() method

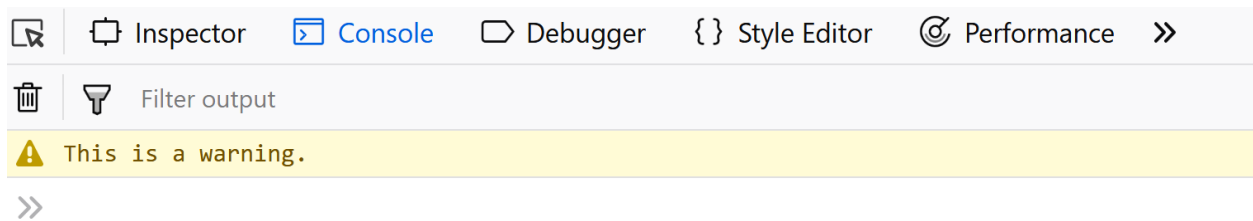
```
console.error('This is a simple error');
```



Console. warn()

console.warn() method

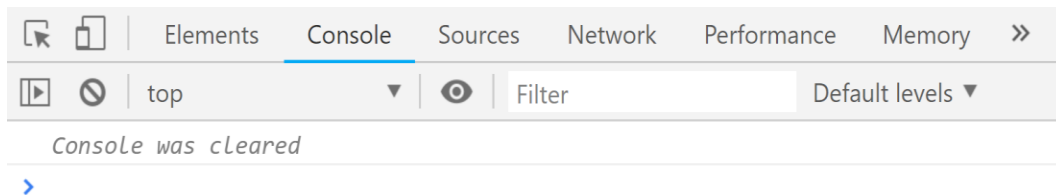
```
console.warn('This is a warning.');
```



Console. clear()

console.clear() method

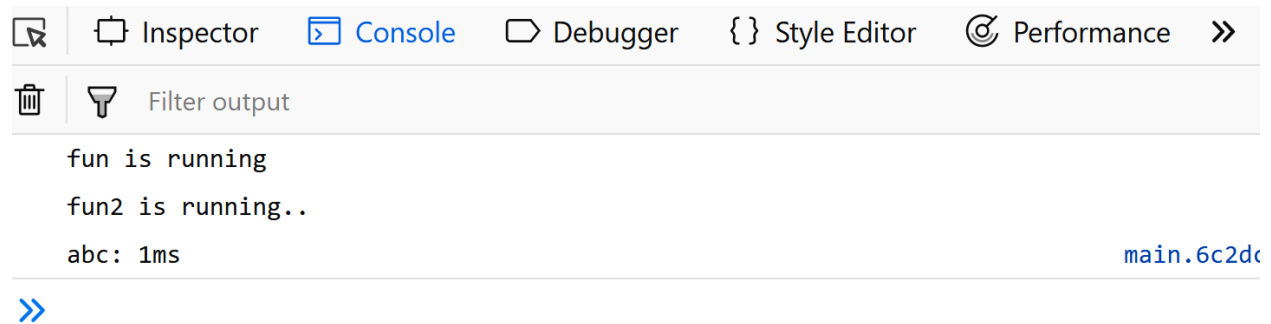
```
console.clear();
```



time() and timeEnd()

console.time() and console.timeEnd() method

```
console.time('abc');
let fun = function()
{
  console.log('fun is running');
}
let fun2 = function()
{
  console.log('fun2 is running..');
}
fun(); calling fun();
fun2();calling fun2();
console.timeEnd('abc');
```



The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The output displays the following messages:

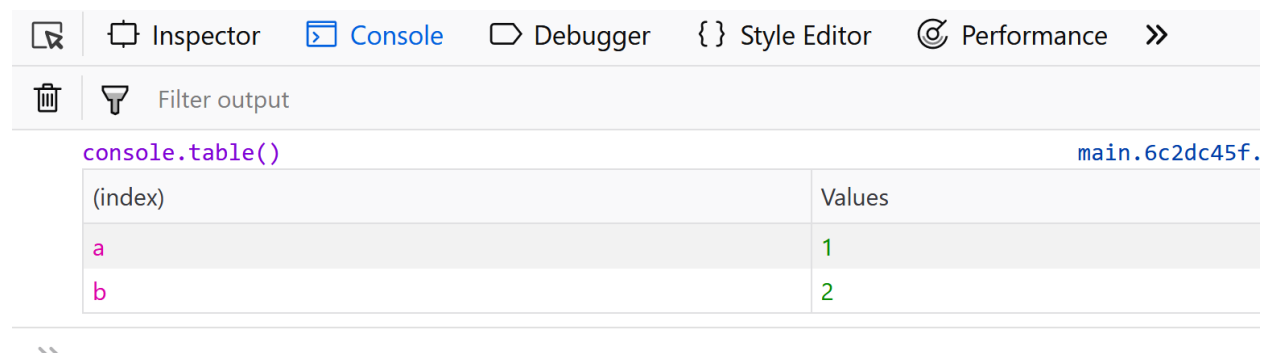
```
fun is running
fun2 is running..
abc: 1ms
```

The last line, 'abc: 1ms', is highlighted in blue, indicating it was the last log message. A blue double arrow icon is visible at the bottom left of the console area.

console.table()

console.table() method

```
console.table({'a':1, 'b':2});
```



The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The output displays the following table:

```
console.table()
```








(index)	Values
a	1
b	2

The table is displayed with a light gray background and a thin border. The first column is labeled '(index)' and the second column is labeled 'Values'. The rows are labeled 'a' and 'b' in the first column, and '1' and '2' in the second column. The last line of the console output, 'main.6c2dc45f.', is highlighted in blue.

console.count()

console.count() method

```
for(let i=0;i<5;i++)  
{  
  console.count(i);  
}
```

 Inspector  Console  Debugger  Style Editor  Performance >>		
  Filter output		
0: 1		main.6c2
1: 1		main.6c2
2: 1		main.6c2
3: 1		main.6c2
4: 1		main.6c2