

JavaScript

"use strict"

Mode

Swipe



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"use strict" Mode

- > "use strict"; Defines that JavaScript code should be executed in "strict mode".
- > The "use strict" directive was new in ECMAScript version 5.
- > The purpose of "use strict" is to indicate that the code should be executed in "strict mode".
- > With strict mode, you can not, for example, use undeclared variables.
- > It is Easier to write "secure" JavaScript. & changes previously accepted "bad syntax" into real errors



You can use strict mode in all your programs. It helps you to write cleaner code, like preventing you from using undeclared variables.



Declaring Strict Mode

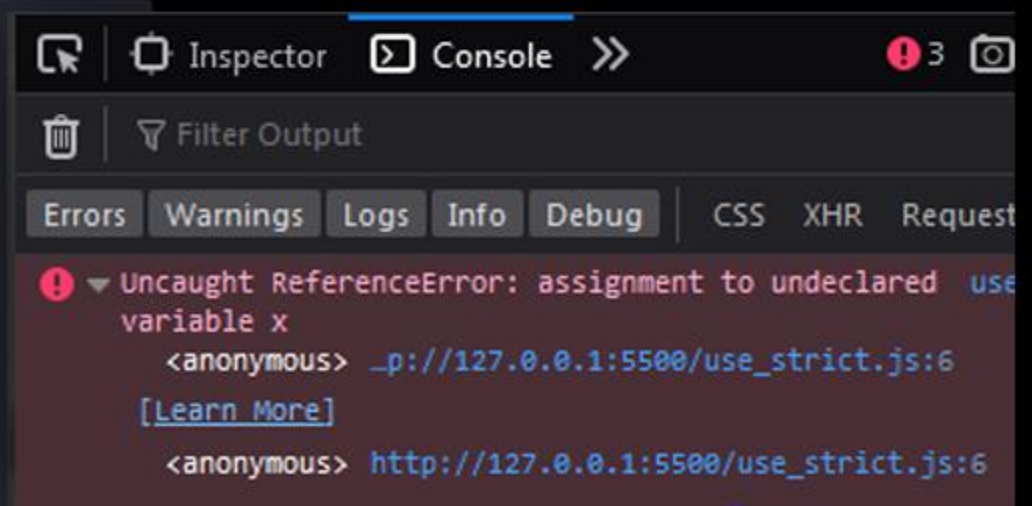
Strict mode is declared by adding "use strict"; to the beginning of a **script** or a **function**.

beginning of a script, it has **global scope** (all code)

```
'use strict';

x = 40;
console.log(x);

// Error X is not declared
```

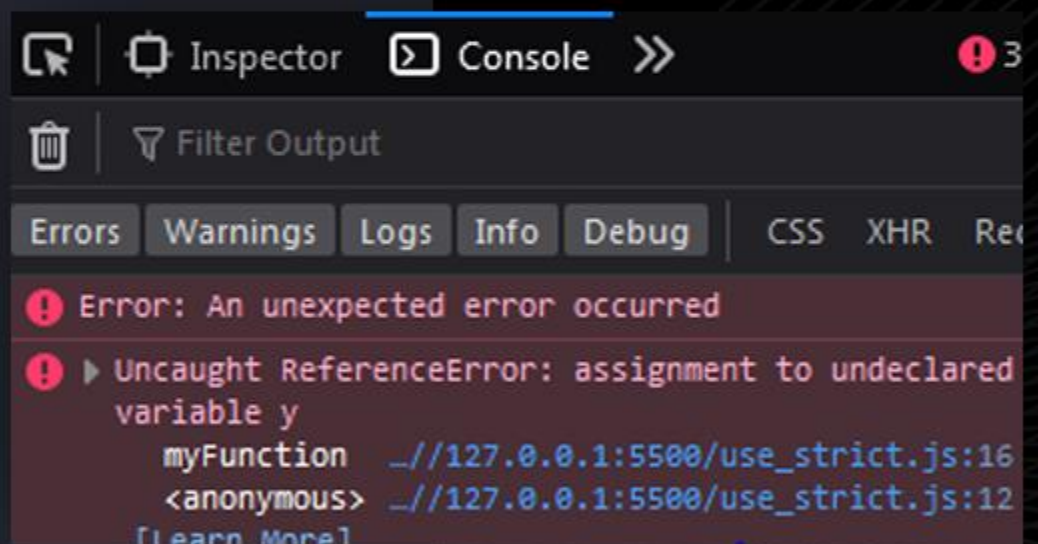


inside a function, it has **local scope** (only function)

```
// This will not cause an error.

x = 3.14;
myFunction();

// This will cause an error
function myFunction() {
  "use strict";
  y = 3.14;
}
```



Not Allowed in Strict Mode

- Using a variable, without declaring it, is not allowed.
- Using an object, without declaring it, is not allowed.
- Deleting a variable (or object) is not allowed.
- Deleting a function is not allowed.
- Duplicating a parameter name is not allowed.
- Octal numeric literals are not allowed.
- Octal escape characters are not allowed.
- Writing to a read-only property is not allowed.
- Writing to a get-only property is not allowed.
- Deleting an undeletable property is not allowed:



Not Allowed in Strict Mode

- The word `eval` cannot be used as a variable.
- The word `arguments` cannot be used as a variable.
- The `with` statement is not allowed.
- For security reasons, `eval()` is not allowed to create variables in the scope from which it was called.





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