



SCOPE & OBJECTS

LET, CONST, & VAR

keyword	local scope	mutable	browsers
let	any block	yes	modern
const	any block	no	modern
var	function only	yes	all

VARIABLES & HOISTING

keyword	what is hoisted?
let/const	nothing
var	name only

FUNCTIONS & HOISTING

type	what is hoisted?
declaration	name & content
let/const expression	nothing
var expression	name only

GLOBAL, LOCAL, & BLOCK SCOPE

a variable declared outside of a function or block is in the **global scope**

let temp = 75;

```
function predict() {  
  let forecast = 'Sun';  
  console.log(temp + ' and ' + forecast);  
  // 75 and Sun  
}
```

a variable declared within a function is in the **function scope** of that function

```
if (temp > 70) {  
  let forecast = 'It's gonna be warm!';  
  console.log(temp + '! ' + forecast);  
  // 75! It's gonna be warm!  
}
```

a variable declared with let or const and within a block is in the **block scope** of that statement

OBJECT SYNTAX

```
let favorites = {  
  fruit: "apples",  
  vegetable: "carrots",  
  greeting: function() {  
    console.log("I like fruit and veg");  
  },  
  sayFaves: function() {  
    console.log("I like " + this.fruit +  
      " and " + this.vegetable);  
  },  
};
```

property

method