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JavaScript Variables

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4 Ways to Declare a JavaScript Variable:

- Using `var`
- Using `let`
- Using `const`
- Using nothing

What are Variables?

Variables are containers for storing data (storing data values).

In this example, `x` , `y` , and `z` , are variables, declared with the `var` keyword:

Example

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```
var y = 6;
var z = x + y;
```

Try it Yourself »

In this example, `x`, `y`, and `z`, are variables, declared with the `let` keyword:

Example

```
let x = 5;
let y = 6;
let z = x + y;
```

Try it Yourself »

In this example, `x`, `y`, and `z`, are undeclared variables:

Example

```
x = 5;
y = 6;
z = x + y;
```

Try it Yourself »

From all the examples above, you can guess:

- x stores the value 5
- y stores the value 6
- z stores the value 11

When to Use JavaScript var?

Always declare JavaScript variables with `var` , `let` , or `const` .

The `var` keyword is used in all JavaScript code from 1995 to 2015.

The `let` and `const` keywords were added to JavaScript in 2015.

If you want your code to run in older browser, you must use `var` .

When to Use JavaScript const?

If you want a general rule: always declare variables with `const` .

If you think the value of the variable can change, use `let` .

In this example, `price1` , `price2` , and `total` , are variables:

Example

```
const price1 = 5;
const price2 = 6;
let total = price1 + price2;
```

Try it Yourself »

The two variables `price1` and `price2` are declared with the `const` keyword.

These are constant values and cannot be changed.

The variable `total` is declared with the `let` keyword.

This is a value that can be changed.

Just Like Algebra

Just like in algebra, variables hold values:

```
let x = 5;
let y = 6;
```

Just like in algebra, variables are used in expressions:

```
let z = x + y;
```

From the example above, you can guess that the total is calculated to be 11.

Note

Variables are containers for storing values.