
JAVASCRIPT

TEMPLATE LITERARS

- String literals allowing embedded expressions.
- Enclosed by the backtick (``) (grave accent) character instead of double or single quotes.

```
`string text`
```

```
`string text line 1  
string text line 2`
```

```
`string text ${expression} string text`
```

```
tag`string text ${expression} string text`
```

STRING METHODS

JavaScript String Methods

JS

substr()	indexOf()	trim()
substring()	includes()	charAt()
replace()	slice()	valueOf()
search()	concat()	split()
toLocaleLowerCase()	lastIndexOf()	toString()
toLocaleUpperCase()	charCodeAt()	match()

ARRAY

- Array object is used to store multiple values in a single variable.
- Indexes are zero-based: The first element in the array is 0, the second is 1, and so on.
- Arrays provide a lot of methods to make things easier.
- `const cars = ["Ford", "Volvo", "BMW"];`

ARRAY METHODS

10 JavaScript array methods you should know:

forEach()

includes()

filter()

map()

reduce()

some()

every()

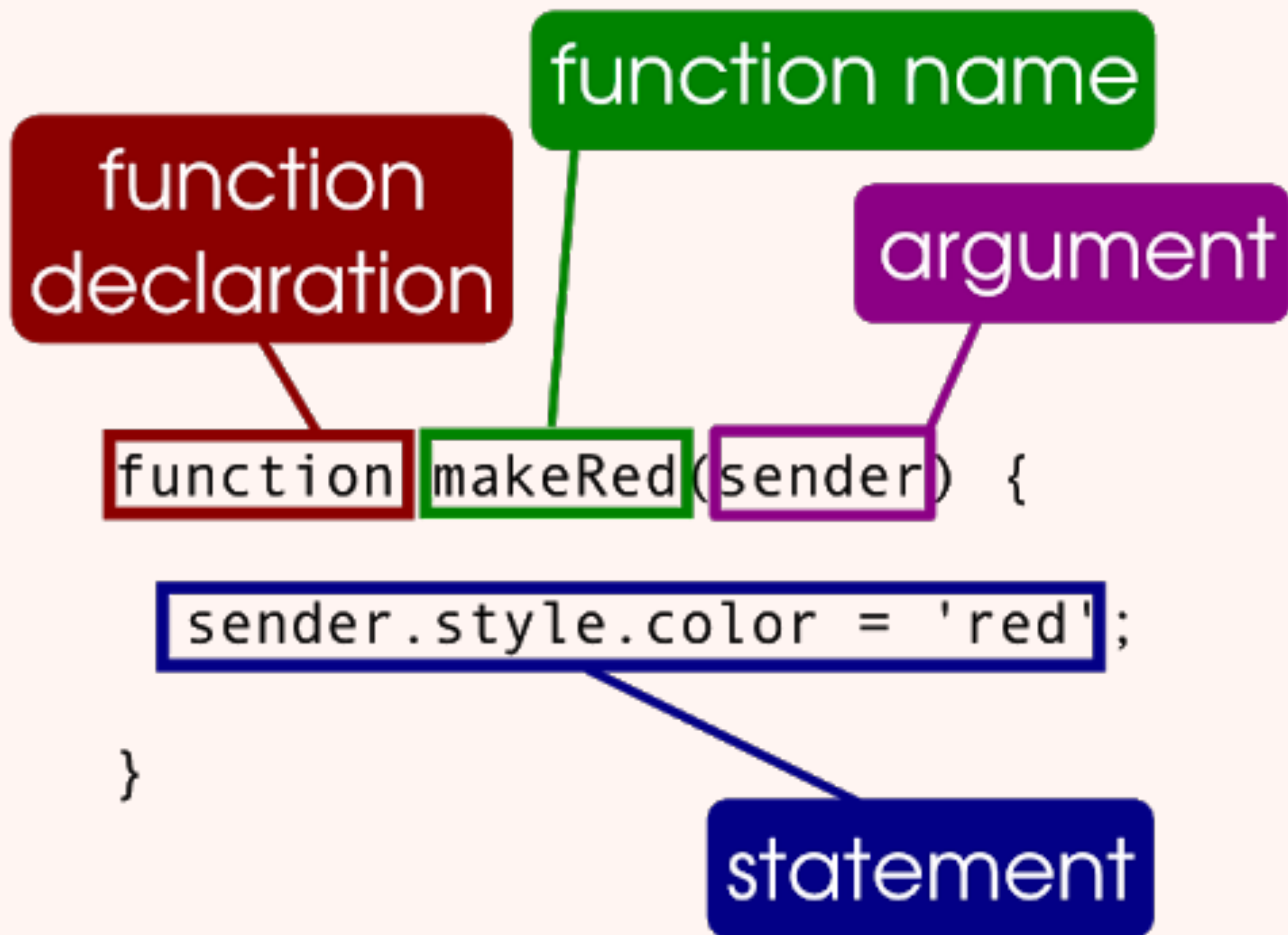
sort()

Array.from()

Array.of()

FUNCTIONS

- Is a block of code designed to perform a particular task.
 - Is executed when "something" invokes it (calls it).
 - Define the code once, and use it many times.
 - You can use the same code **many times with different arguments**, to produce different results.
 - The statement **return** specifies the value returned by the function.
 - Example: function **name**(parameter1, parameter2, parameter3){ ... // code to be executed }
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FUNCTION DECLARATION

- A declared function is “saved for later use”, and will be executed later, when it is invoked (called).
- Just as Variable Declarations must start with “var”, Function Declarations must begin with “function”.
- Example: `function bar() { return 3; }`

FUNCTION EXPRESSION

- A function expression can be stored in a variable.
 - After a function expression has been stored in a variable, the variable can be used as a function.
 - Functions stored in variables do not need function names.
 - They are always invoked (called) using the variable name.
 - Example: `const x = function (a, b) { return a * b };`
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