Black & White Series

Literals, Variables, and Constants

JavaScript for C or Java Programmers

Atomic Literals

type	typical values	
boolean	true	false
number	15	7.82

Strings

Basic string - two interchangeable options:

```
'basic string'
"basic string"
```

One can use one inside the other:

```
console.log('The dinosaur "jumped into the mud"')
```

Output:

The dinosaur "jumped into the mud"

Multiline String

```
`line 1 line 2 ...`
```

Example:

```
console.log(`The dinosaur
jumped into the mud`)
```

Output:

```
The dinosaur jumped into the mud
```

Automatic/Manual Conversions

```
console.log('2' + 3)
console.log(parseInt('2') + 3)
console.log('2' * 3)
console.log('x' - 3)
```

Automatic/Manual Conversions

```
console.log('2' + 3)
console.log(parseInt('2') + 3)
console.log('2' * 3)
console.log('x' - 3)
```

```
23
5
6
nan
```

NaN - usual output for wrong expressions

Variable/Constant Declaration

```
<let/const/var> <name1> = <init1>,..., <namen> = <initn>
```

- let a variable in a scope
 - equivalent behavior to C variables
- const a constant in a scope
- var old fashion variable declaration
 - o rules for scope different from let
 - o not recommended in general

Example

```
let price = 20, fees = 5
const pi = 3.1416

price += fee // right
pi = 3.14 // error
```

References

- Mozilla MDN https://developer.mozilla.org
- Eloquent JavaScript https://eloquentjavascript.net/

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Web2Learn

santanche.github.io/web2learn/