

1 Seven (7) Types

Six Primitive Types

1. String
`"Any text"`
2. Number
`123.45`
3. Boolean
`true` or `false`
4. Null
`null`
5. Undefined
`undefined`
6. Symbol
`Symbol('something')`
7. Object
 - Array
`[1, "text", false]`
 - Function
`function name() { }`

3 Object

An object is a data type in JavaScript that is used to store a combination of data in a simple key-value pair. That's it.

Key

These are the keys in `user` object.

```
var user = {
  name: "Aziz Ali",
  yearOfBirth: 1988,
  calculateAge: function() {
    // some code to calculate age
  }
}
```

Value

These are the values of the respective keys in `user` object.

Method

If a key has a function as a value, it's called a method.

2 Basic Vocabulary

Variable

A named reference to a value is a variable.

Operator

Operators are reserved-words that perform action on values and variables. Examples: `+` `-` `=` `*` `in` `===` `typeof` `!=` ...

`var a = 7 + "2";`

Statement

A group of words, numbers and operators that **do a task** is a statement.

Note: `var`, `let` & `const` are all valid keywords to declare variables. The difference between them is covered on page 7 of this cheatsheet.

Keyword / reserved word

Any word that is part of the vocabulary of the programming language is called a keyword (a.k.a reserved word).

Examples: `var` `+` `if` `for`...

Expression

A reference, value or a group of reference(s) and value(s) combined with operator(s), **which result in a single value**.