

Primitive Types & Conditionals | Cheat Sheet

1. JavaScript Values

Basically In JavaScript values are of two categories.

- Primitive Types
- Reference Types

1.1 Primitive Types

- Number
- Boolean
- String
- Undefined, etc.

Primitive Type	Description
Number	All the numbers are of Number type.
Boolean	Boolean values are either true or false.
String	String is a stream of characters. The String should be enclosed with Single quotes, Double quotes, or Backticks.
Undefined	If a value is not assigned to the variable, then it takes <code>undefined</code> as its value. In JS, <code>undefined</code> refers to the value that is not being assigned.

1.2 Operators

1.2.1 typeof()

The

`typeof()` operator is used to find the type of value.

JAVASCRIPT

```
1 let a = 900;
2 let b = 9.2;
3 console.log(typeof(a)); // number
4 console.log(typeof(b)); // number
```

Try out changing the different Values in the below Code Playground and check the output in the console.

HTMLCSSJAVASCRIPT

Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head></head>
```

```
4   <body>
5     Your HTML code goes here. Write JavaScript code here.
6   </body>
7 </html>
```

2. Converting String to a Number

In JavaScript, when we combine the number and string, it results in a string.

The

`parseInt()` function accepts a string and converts it into an integer.

JAVASCRIPT

```
1  let a = '20';
2  console.log(typeof(a)); // string
3
4  let b = parseInt(a);
5  console.log(typeof(b)); // number
```

3. Conditional Statements

The Conditional Statement allows you to execute a block of code only when a specific condition is true.

If...Else Statement:

Syntax:

JAVASCRIPT

```
1  if (conditionA) {
2    Block1;
3  }
4  else if (conditionB) {
5    Block2;
6  }
7  else {}
8    Block3;
9  }
```

Try out changing the colors, increment, and decrement Values in the below Code Playground and check the output.

HTML CSS JAVASCRIPT Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
5     <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
6     <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
7     <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
8   </head>
9   <body>
10    <div class="bg-container text-center d-flex flex-direction: column align-items: center">
11      <h1 class="counter-heading">Counter</h1>
12      <p id="counterValue" class="counter-value">0</p>
13      <div>
14        <button onClick="onDecrement()" class="btn btn-danger">Decrement</button>
15        <button onClick="onReset()" class="btn btn-warning">Reset</button>
16        <button onClick="onIncrement()" class="btn btn-success">Increment</button>
17    </div>
18  </div>
19 </body>
20 </html>
```

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