JavaScript

8 NUMBER METHODS

Swipe

toString

The toString() method returns a number as a string

```javascript
const num = 123;

num.toString();
// "123"

(100 + 23).toString();
// "123"
```

toExponential

The toExponential() method returns a string, with a number rounded and written using exponential notation

```javascript
const num = 9.656;

num.toExponential(2);
//"9.66e+0"
```

toFixed

The toFixed() method returns a string, with the number written with a specified number of decimals

```javascript
const num = 9.656;

num.toFixed(0);
// 10


num.toFixed(2);
//"9.66"
```

toPrecision

The toPrecision() method returns a string, with a number written with a specified length

```javascript
const num = 9.656;

num.toPrecision(2);
// 9.7

num.toFixed(4);
// 9.656
```

valueOf

The valueOf() method returns a number as a number

```javascript
const num = 123;

num.valueOf();
// 123
```

Number

The Number() method can be used to convert JavaScript variables to numbers

```javascript
Number(true);        // returns 1
Number(false);       // returns 0
Number("10");        // returns 10
Number("10.33");     // returns 10.33
Number("10,33");     // returns NaN
```

parseInt

The parseInt() method parses a string and returns a whole number. Spaces are allowed. Only the first number is returned

```javascript
parseInt("10");          // returns 10
parseInt("10.33");       // returns 10
parseInt("10 20 30");    // returns 10
parseInt("10 years");    // returns 10
parseInt("years 10");    // returns NaN
```

parseFloat

The parseFloat() method parses a string and returns a number. Spaces are allowed. Only the first number is returned

```javascript
parseFloat("10");          // returns 10
parseFloat("10.33");       // returns 10.33
parseFloat("10 20 30");    // returns 10
parseFloat("10 years");    // returns 10
parseFloat("years 10");    // returns NaN
```

How many do you know?

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