

15 Auto Inherited Properties

When you create a value in JavaScript, certain properties are automatically inherited by this value. This magic happens because every **type** has a **constructor** with a special property called **prototype**. All methods on the **prototype** gets automatically inherited by the new value created for that **type**. Take a look at some of of these methods on the right.

```
const thing = "some text";
```

String

Google 'Mozilla String' to find the docs

```
.concat()  
.charAt()  
.indexOf()  
.startsWith()  
.endsWith()  
.split()  
.slice()
```

```
const num = 123.45;
```

Number

Google 'Mozilla Number' to find the docs

```
.toFixed()  
.toPrecision()  
.toString()
```

Boolean

Google 'Mozilla Boolean' to find the docs

```
.toString()
```

Array

Google 'Mozilla Array' to find the docs

```
.filter()  
.map()  
.find()  
.every()  
.some()  
.sort()  
.slice()  
.splice()  
.reduce()  
.forEach()
```

16 Built-in Objects

JavaScript gives us a ton of useful built-in objects to make our lives easier. The **Date** and **Math** objects are very useful on a regular basis. Take a look at some of their features on the right.

Full list of builtin objects in JavaScript visit https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects

Math

Google 'Mozilla Math' to find the docs

```
Math.pow(2, 3) // 8  
Math.sqrt(16) // 4  
Math.min(7, 8, 6) // 6  
Math.max(7, 8, 6) // 8  
Math.floor(123.45) // 123  
Math.ceil(123.45) // 124  
Math.round(123.45) // 123  
Math.random() // 0.45..
```

Date

Google 'Mozilla Date' to find the docs

```
const d = new Date('9/17/1988');  
d.getDay()  
d.getFullYear()  
d.getMonth()  
  
Date.now()  
Milliseconds since Jan 1, 1970
```