

Title: How to create an object?

Answer:

An object is a JavaScript data type, just as a number or a string is also a data type. As a data type, an object can be contained in a variable.

There are two ways to construct an object in JavaScript:

- The **object literal**, which uses curly brackets: `{}`
- The **object constructor**, which uses the `new` keyword

We can make an empty object example using both methods for demonstration purposes.

First, the object literal.

```
// Initialize object literal with curly brackets  
const objectLiteral = {};
```

The object literal initializes the object with curly brackets.

In this next example, we'll use the object constructor.

```
// Initialize object constructor with new Object  
const objectConstructor = new Object();
```

The same data was created using the object constructor method that is initialized with `new Object()`.

Both of these approaches will create an empty object. Using object literals is the more common and preferred method, as it has less potential for inconsistencies and unexpected results.

We can create an example object, contained in the variable `person`, to describe a character.

```
// Initialize person object  
const person = {  
  name: "Ramesh",  
  city: "bangalore",  
  professional: "developer",  
  greet: function() {  
    return `Hi, my name is ${this.name}!`;  
  },  
};
```

Our new object is `person`, which has three properties. Each property consists of a **name:value** pair, also known as **key:value** pair. `professional` is one of the property names, which is linked to the property value `"developer"`, a string. It has one method, with a method name of `greet` and the method value consisting of the contents of the function.

Within `greet`, you may notice the `this` keyword. When using `this` inside of an object, it refers to the current object, in this case `person`.

Sending `person` to the console will print out the entire object.

```
person;
```

Output

```
{name: "Ramesh", city: "bangalore", profession: "developer", greet: f}
```

This output may render differently depending on what console you are using, but you should notice that all of the values passed to the object are shown in the output.

Tags: javascript, hashes / js objects