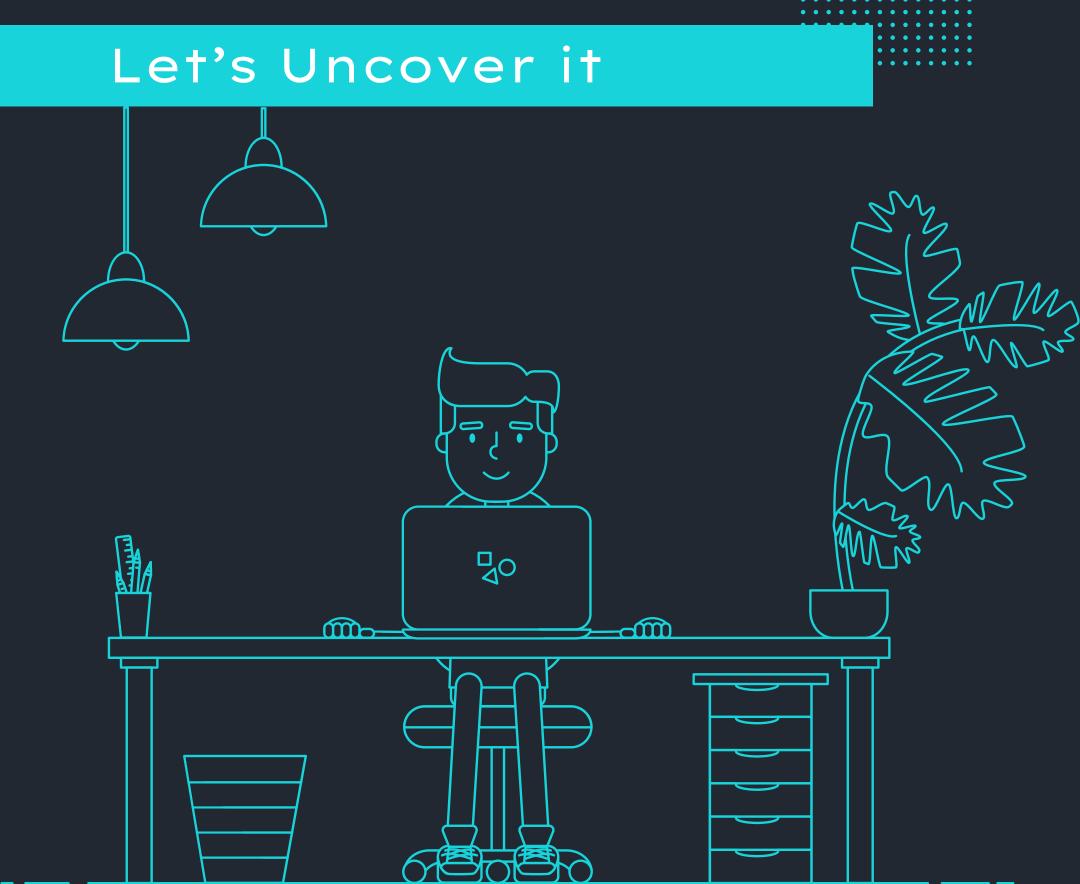


JavaScript Call(), Apply() & Bind()





Concept

call, bind, and apply are essential
JavaScript methods that allow you to
control the value of this in a function. This
can be incredibly useful in various
scenarios, especially when working with
objects or constructors.





Call()

The call() method invokes a function with a given this value and arguments provided one by one.

```
var employee1 = { firstName: "John", lastName: "Rodson" };
var employee2 = { firstName: "Jimmy", lastName: "Baily" };

function invite(greeting1, greeting2) {
  console.log(
    greeting1 + " " + this.firstName + " " + this.lastName + ", " +
  greeting2
    );
}

invite.call(employee1, "Hello", "How are you?");
invite.call(employee2, "Hello", "How are you?");
```





Apply ()

Apply: Invokes the function with a given this value and allows you to pass in arguments as an array.

```
var employee1 = { firstName: "John", lastName: "Rodson" };
var employee2 = { firstName: "Jimmy", lastName: "Baily" };

function invite(greeting1, greeting2) {
  console.log(
    greeting1 + " " + this.firstName + " " + this.lastName + ", " +
  greeting2
    );
}

invite.apply(employee1, ["Hello", "How are you?"]);
invite.apply(employee2, ["Hello", "How are you?"]);
```





Bind ()

bind: returns a new function, allowing you to pass any number of arguments.

```
var employee1 = { firstName: "John", lastName: "Rodson" };
var employee2 = { firstName: "Jimmy", lastName: "Baily" };

function invite(greeting1, greeting2) {
  console.log(
    greeting1 + " " + this.firstName + " " + this.lastName + ", " +
  greeting2
    );
}

var inviteEmployee1 = invite.bind(employee1);
var inviteEmployee2 = invite.bind(employee2);
inviteEmployee1("Hello", "How are you?");
inviteEmployee2("Hello", "How are you?");
```





Summary

Call and apply are pretty interchangeable.

Both execute the current function immediately. You need to decide whether it's easier to send in an array or a comma separated list of arguments. You can remember by treating Call is for comma (separated list) and Apply is for Array.

Whereas Bind creates a new function that will have this set to the first parameter passed to bind().





Summary

Call and apply are pretty interchangeable.

Both execute the current function immediately. You need to decide whether it's easier to send in an array or a comma separated list of arguments. You can remember by treating Call is for comma (separated list) and Apply is for Array.

Whereas Bind creates a new function that will have this set to the first parameter passed to bind().







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