

Call, Apply and Bind Methods



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call()

With **call()** method, a function or a method of an object can get the context of another object as the first argument and then it can have its own arguments.

The **call()** method does not create a new function but rather immediately executes the original function with the provided context and arguments.



```
const person = {  
    fullName: function(city, country) {  
        console.log(this.firstName + " " + this.lastName +  
            " is going to " + city + ", " + country + ".");  
    }  
}  
  
const person1 = {  
    firstName: "John",  
    lastName: "Doe"  
}  
  
person.fullName.call(person1, "Oslo", "Norway")  
// Result: John Doe is going to Oslo, Norway.
```

refers to person1

↑ ↑
city country



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apply()

The Apply method is very similar to the Call method. The only difference between call and apply is the difference in how arguments are passed.

In apply, arguments you can pass an argument as an array literal or a new array object.



```
const person = {
  fullName: function(city, country) {
    console.log(this.firstName + " " + this.lastName + " "
is going to " + city + ", " + country + ".");
  }
}

const person1 = {
  firstName:"John",
  lastName: "Doe"
}

person.fullName.apply(person1, ["Oslo", "Norway"]);
// John Doe is going to Oslo, Norway.
```



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bind()

In JavaScript, the bind method allows you to explicitly set the context (the object to which `this` refers) for a function or a method of an object.

Unlike call method, bind method does not invoke the function immediately, rather returns a new function.

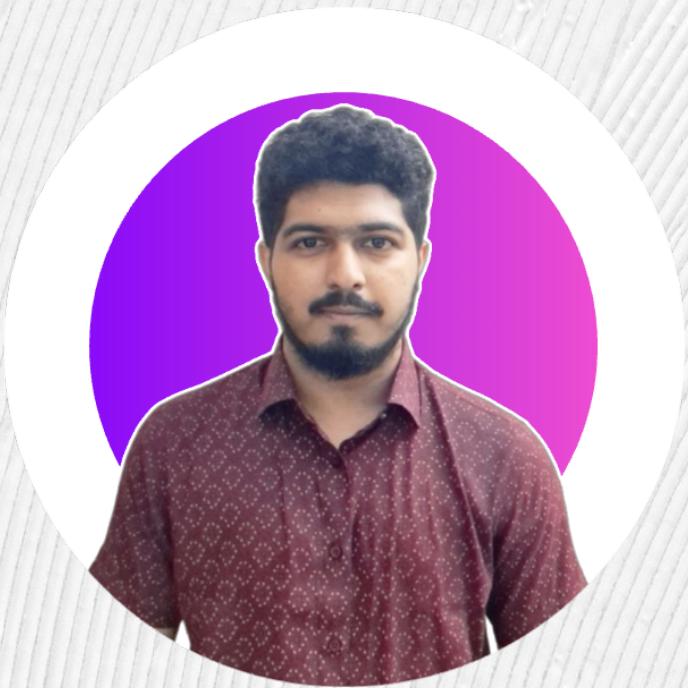


```
const person = {  
    fullName: function(city, country) {  
        console.log(this.firstName + " " + this.lastName +  
            " is going to " + city + ", " + country + ".");  
    }  
}  
  
const person1 = {  
    firstName: "John",  
    lastName: "Doe"  
}  
  
const func = person.fullName.bind(person1);  
func("Oslo", "Norway")  
// John Doe is going to Oslo, Norway.
```

Swipe →



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