call, apply and bind methods

Thursday, 24 August 2023 12:33 AM

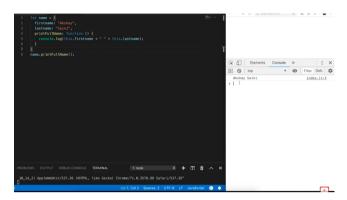
- Every for in Is has access to this keyword.

```
1  let name = {
2     firstname: "Akshay",
3     lastname: "Saini",
4     printFullName: function () {
5         console.log(this.firstname + " " + this.lastname);
6     }
7  }
8
```

→ So this for has occess to this keyword which is here pointing to name object.

-> So of of above will be Akshay Saini.

- How to invoke the above For?



-> Calla:

let name = {
 firstname: "Akshay",
 lastname: "Saini",
 printFullName: function () {
 console.log(this.firstname + " " + this.lastname);
 }
 name.printFullName();

let name2 = {
 firstname: "Sachin",
 lastname: "Tendulkar",
}

To print first Name & last Name again, what we can do is copy & parte print tell Name () or.

- but instead we do function borrowing. So, we can borrow I's from other objects.

-> We do function borrowing using called method.

-> Each & every F has access to call!) method.

-> Syntax for Using call!) method.

There the 1st argument passed into call is the object which home object's this will be posting to.

> so here this' will point to hame 2 's key; value pains.

Note: Normally, we don't write the inside an object I instead declare them sutside.

```
let name = {
    firstname: "Akshay",
    lastname: "Saini",
}

let printFullName = function () {
    console.log(this.firstname + " " + this.lastname);
}

printFullName.call(name);
```

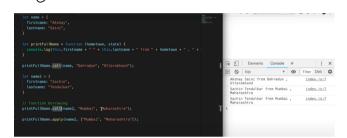
the call!) method on the fⁿl pass the spiect beforence as argument, so that this has

access to the attributes of that object.

Note: If we need to pass more arguments to the frexpression, then we can do so by passing these arguments as 2rd or or or or or or or arguments to the call() method as first argument whatways be the object reference.



apply (1) The only difference between GUC) dapply (1) methods over the viray we pass arguments. Instead of individually passing the arguments, we pass them as a list in apply (1). Rest everything is same.



It boks just like the call method, but instead of directly calling the method, it binds the method to the skiet it returns acque of the for to be invoked later-directly.

// bind method
let printMyName = printFullName.bind(name2, "Mumbai", "Maharashtra");
console.log(printMyName);

olp:

f (hometown, state) {
 console.log(this.firstname + " " +
 this.lastname + " from " + hometown + " , " +
 state);
}

// bind method
let printMyName = printFullName.bind(name2, "Mumbai", "Maharashtra");
console.log(printMyName);
printMyName();

0/10:

f (hometown, state) {
 console.log(this.firstname + " " +
 this.lastname + " from " + hometown + " , " +
 state);
}
Sachin Tendulkar from Mumbai , index.js:7
Maharashtra