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* Call, Apply and Bind methods in javascript

we know that functions are also objects in javascript, so there 3 methods (all, apply and bind are used to control the invocation of the function.

(an and apply were introduced in Ecmascript 3 while bind () was added as part of Ecmascript 5.

Uses :-

you can use call apply to invoke function immediately.

bind() returns a bound function that, when executed later, will have the consect context ("this") for calling the original function.

So bind() can be used when the function needs

to be called lates in costain events when it's weful.

1) Call Method

The call() method is used to call a function with a given "this" and arguments provided to it individually.

This means that we can call any function.

explicitly specifying the reference that "this" should reference in the calling function.

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example :-

let name = 1

first Name: "Sonu",

last Name: "Tekane",

3;

let printName = function (hometown, state) {

Console log (this first Name + "" " +

this last Name + " from " +

hometown + "," + state);

print Name. (all (name, "Bhenda", "Mahorashtra");

4

Sonu Texane from Bhenda, Maharashtra

The first parameter in (all() method
sets the "this" value, which is the object,
on which the function is invoked upon.

In our example above,

The rest of the parameters are the arguments to the actual function.

@ apply() Method

The apply method is an important method of the function prototype and is used to call others functions with a provided "this" keyword value and arguments provided in the

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Form of array or an array like object.

Array-Like objects provided may refer to NodeList or the arguments object inside a function.

This means that we can call any function and explicitly specify what "this" should reference in the calling function.

example 8-

let name = 1 first : "sonu", last : "Tekane";

state);

print Name · apply (name , [" Bhenda", "Maharashtra"]);

Sony Teleane from Bhenda, Mahasashtra

in apply() method sets the "this" value which is the object upon which the function is

In our example above,

it's the "name" object

The only difference of apply () with the (all) method is that the second parameters imp of the apply () method accepts the arguments to the actual functions as an array.

3 bind() Method

The bind() method (seates a new function that, when (alled, has its "this" keyword set to the provided value, with a given sequence of asguments preceding any provided when the new function is called.

The bind function is much like the call function, with the main difference being that bind seturns a new function whereas call does not.

According to ECMAScript 5 specifications, the Function returned by bind() is a special type of exotic function object (as they call it) called the Bound Function. (BF)

The BF wraps the original function object.

(alling a BF runs the wrapped function in it.

Simply we can say that, it gives a copy]
which can be invoked later as
per users need.

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example :-	
let name = $\frac{1}{2}$	
filst: "sonu",	
lust: "Tekane",	
3 ;	
let print Name = function (hometown, state) [
(Onsolp.log (this.first + " "+ this. 1932	
+ " from " + hometown + ","	
+ state);	
let pointMy Name = point Name. bind (name, "Bhenda",	
"Manobashtsu"),	
ronsole.log (psint My Name); gives function	
point My Name (); we (an call like this	
whenever we want	
The state of the s	
1 + (hometown, state) 2	
(onso	
To the Photology Designation of the Party of	
17 Sonu Tekane from Bhenda, Maharashtra	_
a compared to the compared to the compared to	_
symmony: - 1) (all method is used to invoke a function directly.	_
and the same as call and differen	_
2 apply is same as call, only difference is, it takes second argument as among list.	<u>(e</u>
a hind method does not disectly invoke the	_
mother hut gives you copy of the exact.	_
3 bind method does not disectly invoke the method but gives you copy of the exactly method which can be invoked laters.	_
same	_
Ourite -	_