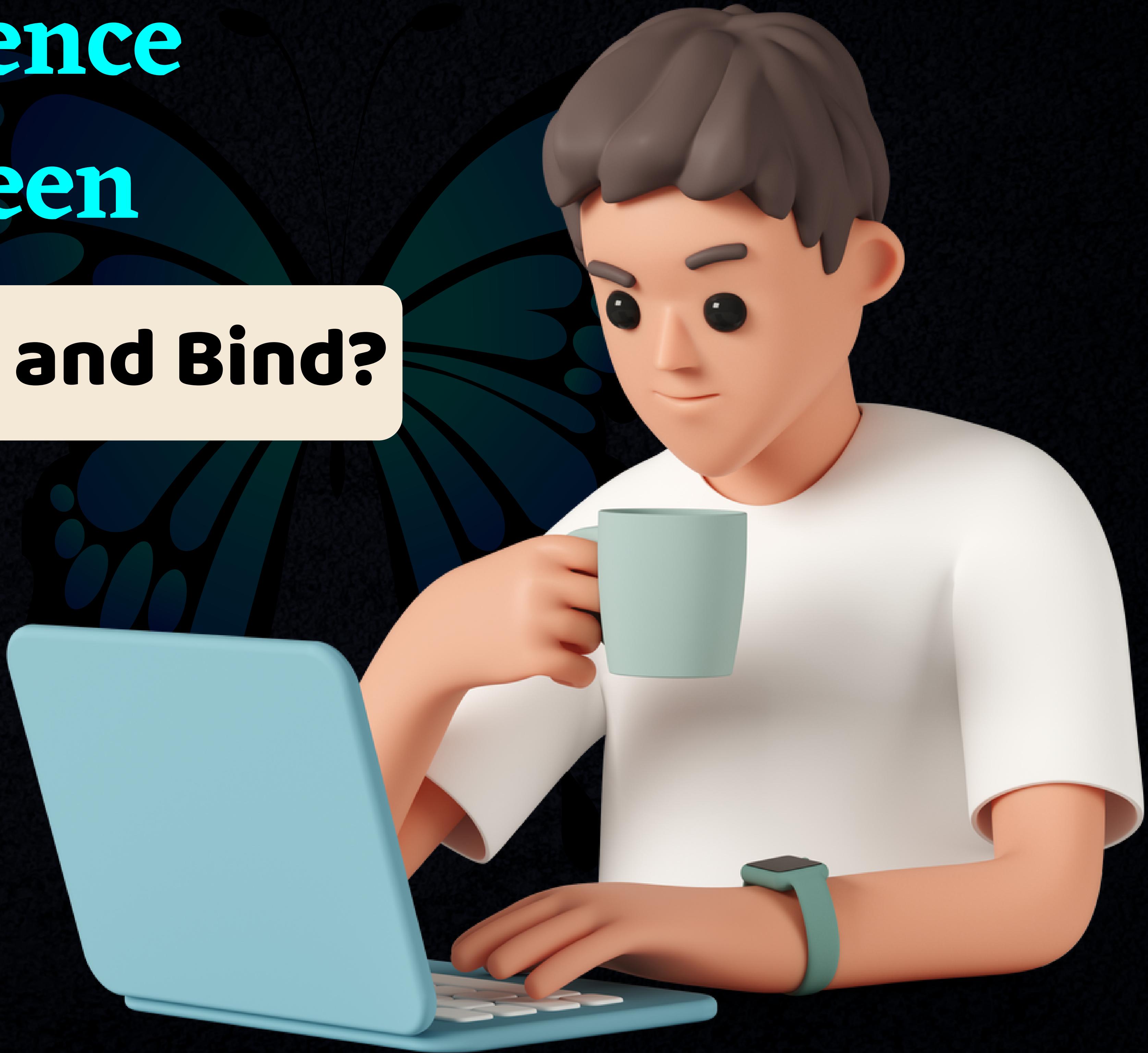
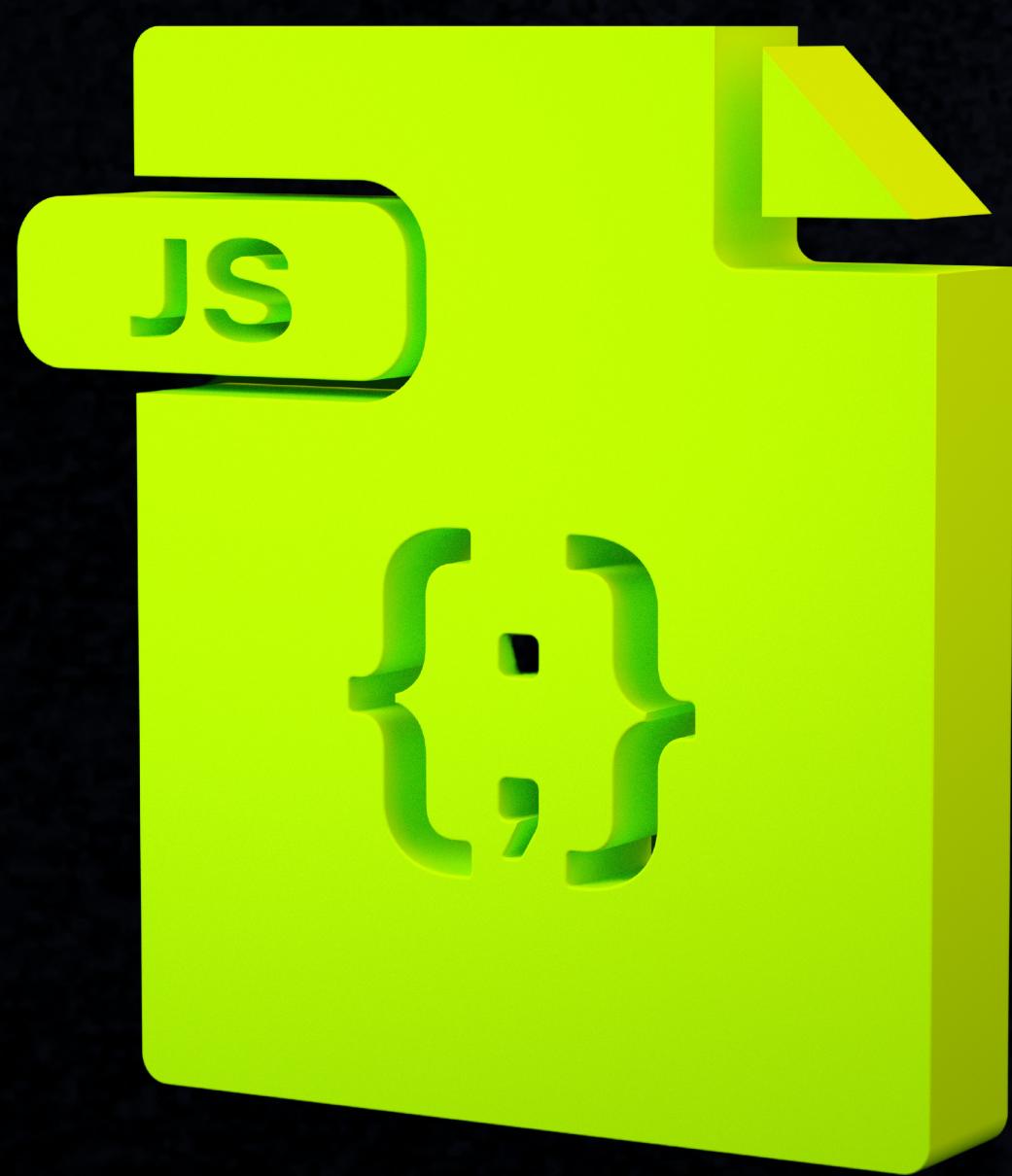


What is the difference between

Call, Apply and Bind?



The difference between Call, Apply and Bind can be explained with below examples,

Call:

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



aiarif.js

```
1 var employee1= {firstName: 'John', lastName: 'Rodson'};  
2 var employee2= {firstName: 'Jimmy', lastName: 'Baily'};  
3  
4 function invite(greeting1, greeting2) {  
5   console.log(greeting1+ ' ' + this.firstName+ ' ' + this.lastName+ ', '+  
6   greeting2);  
7  
8 invite.call(employee1,'Hello','How are you?');// Hello John Rodson, How are you?  
9  
10 invite.call(employee2,'Hello','How are you?');// Hello Jimmy Baily, How are you?
```

The difference between Call, Apply and Bind can be explained with below examples,

Apply:

Invokes the function and allows you to pass in arguments as an array.



aiarif.js

```
1 var employee1= {firstName: 'John', lastName: 'Rodson'};  
2 var employee2= {firstName: 'Jimmy', lastName: 'Baily'};  
3  
4 function invite(greeting1, greeting2) {  
5   console.log(greeting1+ ' ' + this.firstName+ ' ' + this.lastName+ ', '+  
6 greeting2);  
7 }  
8  
9 invite.apply(employee1, ['Hello', 'How are you?']); // Hello John Rodson, How areyou?  
10 invite.apply(employee2, ['Hello', 'How are you?']); // Hello Jimmy Baily, How areyou?  
11
```

The difference between Call, Apply and Bind can be explained with below examples,

bind:

returns a new function, allowing you to pass in an array and any number of arguments.



aiarif.js

```
1 var employee1= {firstName: 'John', lastName: 'Rodson'};
2 var employee2= {firstName: 'Jimmy', lastName: 'Baily'};
3
4 function invite(greeting1, greeting2) {
5   console.log(greeting1+ ' ' + this.firstName+ ' ' + this.lastName+ ', '+
6   greeting2);
7
8 var inviteEmployee1= invite.bind(employee1);
9 var inviteEmployee2= invite.bind(employee2);
10
11 inviteEmployee1('Hello','How are you?');// Hello John Rodson, How are you?
12 inviteEmployee2('Hello','How are you?');// Hello Jimmy Baily, How are you?
13
```

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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