

# JS Scopes

In Detail

A yellow square with rounded corners containing the letters 'JS' in a dark blue, bold, sans-serif font.

JS

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# Global Scope



Variables or functions declared in the global namespace have global scope, which means all the variables and functions having global scope can be accessed from anywhere inside the code.



```
1 var globalVariable = "Hello, JavaScript";
2
3 function print(){
4     return globalVariable;
5 }
6
7 function print2(){
8     return print();
9 }
10
11 print2(); // Returns "Hello world"
12
```



# Function Scope



Any variables or functions declared inside a function have local/function scope. They can only be accessed inside function not outside the function.



```
1 function random(){
2   var x = 2;
3
4   var multiplyBy2 = function(){
5     console.log(x*2);
6   }
7 }
8
9 random();
10
11 console.log(x); // Throws reference error
12
13 multiplyBy2(); // Throws reference error
14
```



# Block Scope

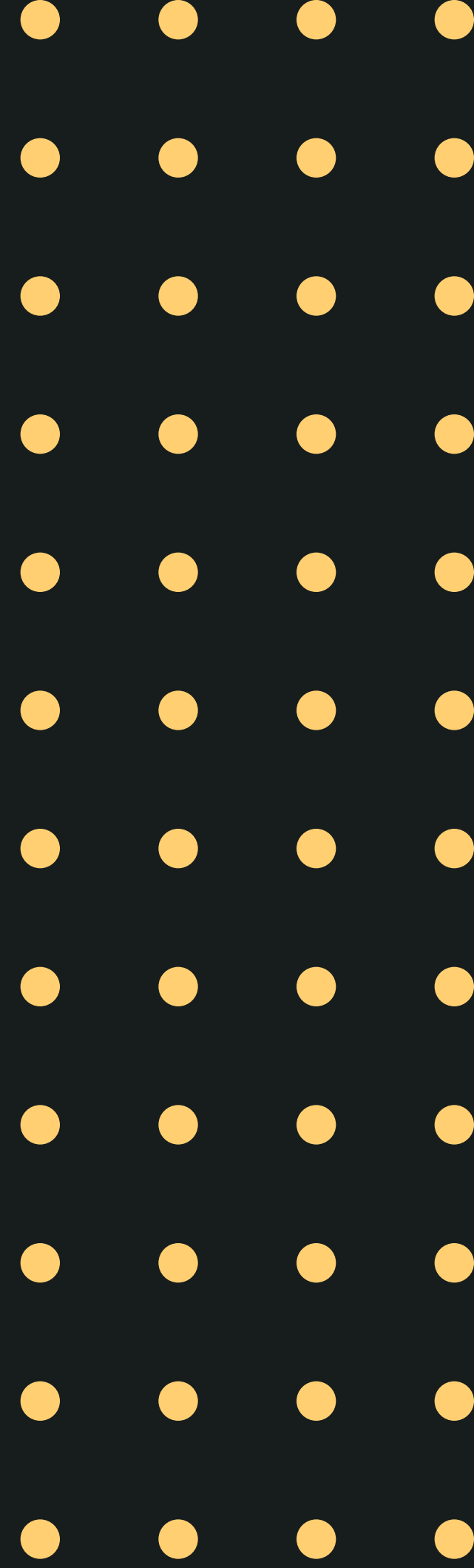


Block scope is related to the variables declared using `let` and `const`. Block scope tells us that any variable declared inside a block `{ }`, can be accessed only inside that block and cannot be accessed outside of it. `var` do not have block scope



```
1 {  
2   let x = 45;  
3 }  
4  
5 console.log(x); // Gives reference error  
6
```





# Repost this to help others!



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