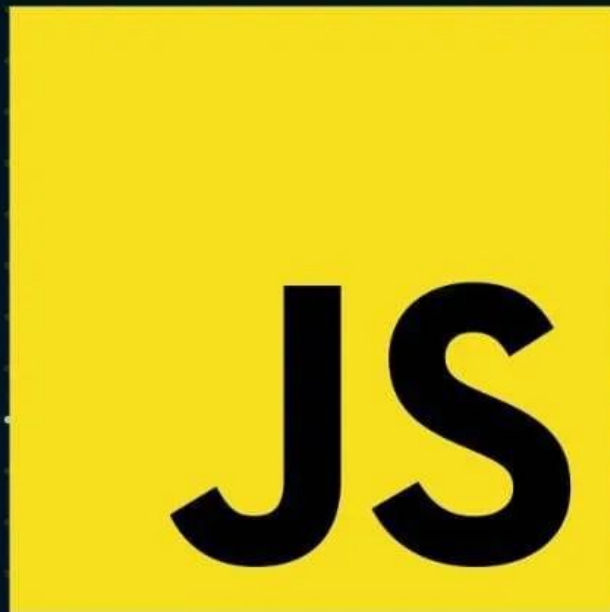


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JavaScript Closures Simplified



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Closures are one of those concepts that many struggles to get their heads around and more importantly to recall in future.

What is a Closure?

A closure is a feature in JavaScript where an inner function has access to the outer (enclosing) function's variables — a scope chain.

The closure has three scope chains:

- It has access to its own scope — variables defined between its curly brackets.
- It has access to the outer function's variables.
- It has access to the global variables.

Let's understand from code.

```
function parent() {  
  var house = 'WhiteHouse';  
  
  function child() {  
    var car = 'Tesla';  
    console.log('I have:', house, car);  
  }  
  
  return child;  
}  
var legacy = parent();  
console.log(typeof(legacy)); //legacy is of  
type function  
legacy(); I have: WhiteHouse Tesla
```



The closure has **three scope chains**:

- an outer function **parent** which has a variable **house**, and returns the **child** function.
- an inner function **child** which has its variable called **car**, and accesses a **parent** variable **house**, within its function body

The scope of variable **house** is limited to the **parent** function, and the scope of variable **car** is limited to the **child** function.