


CLOUSURES IN JAVASCRIPT



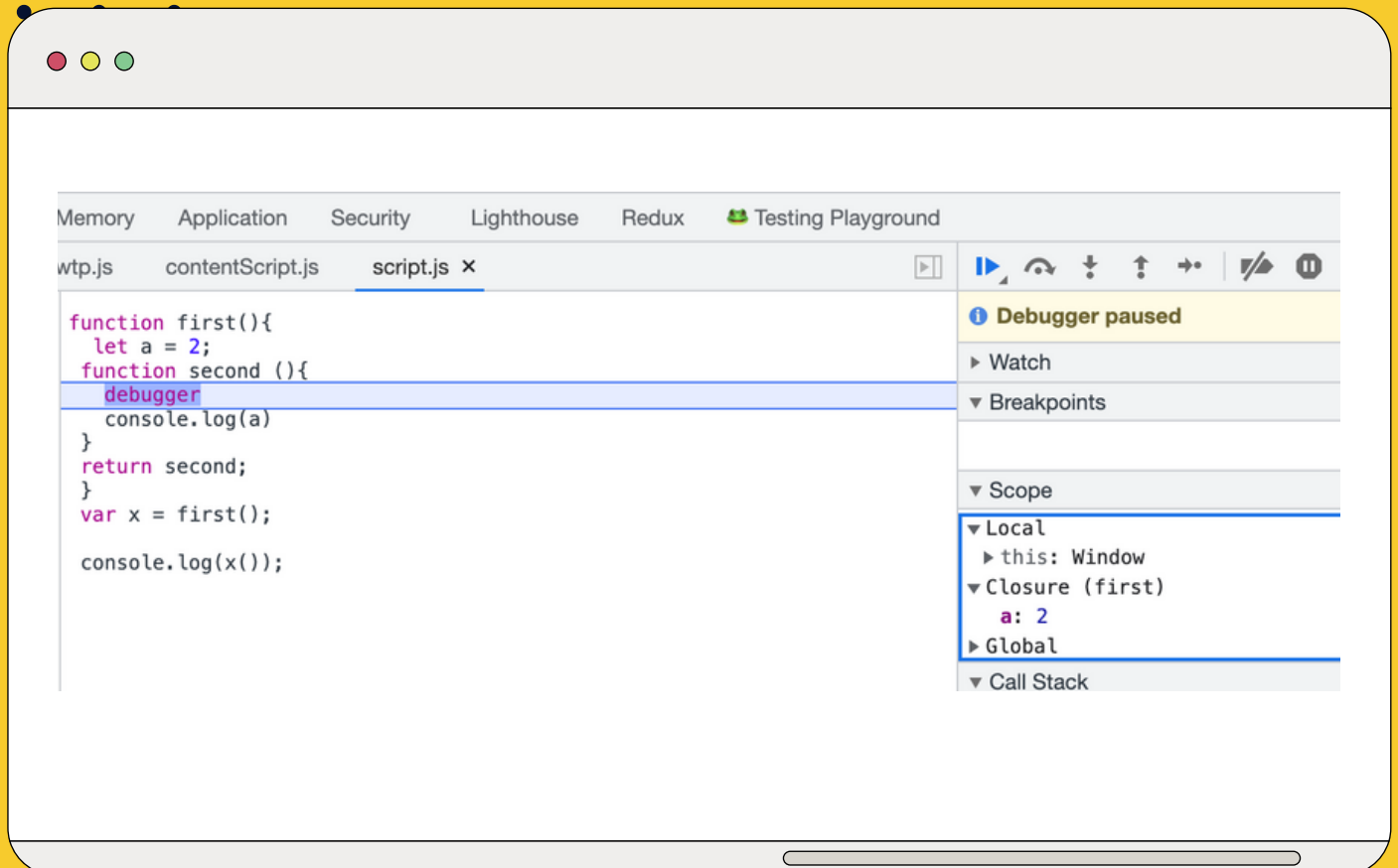
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CLOSURES IN JAVASCRIPT

Closures is a function with access to its 'outer' scope. As a result, even if the enclosing function is terminated, it can still access the value of the outer scope.

```
function first(){  
  let a = 2;  
  function second (){  
    console.log(a)  
  }  
  return second;  
}  
var x = first();  
console.log(x); // The value of x is the entire function code.  
.
```

CLOSURES IN JAVASCRIPT



We have added a debugger to function second, and as a result, inside of function second, a variable that was a part of function first local scope establishes a closure with function second, giving it access to its parent's lexical scope.

CLOSURES IN JAVASCRIPT

BENEFITS

- Module Design Pattern.
- Currying.
- Memoize.
- Data hiding and encapsulation etc

DRAWBACKS

- Excessive consumption of memory.
- Memory Leak.

THANK YOU

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