JavaScript Execute Code + call Stack

09 January 2024   14:05

Javascript Execution Context

[{ }] ⟶ Global EC
                        ↳ this

↳ Global Execution Context

↳ Function Execution Context

↳ Eval Execution Context

[{ }] ⟶ Memory Creation Phase

⟶ Execution Phase

Crop   Format   Convert to Ink   Duplicate   Cut   Copy   Delete

```
1  let val1 = 10
2  let val2 = 5
3  function addNum(num1, num2){
4      let total = num1 +num2
5      return total
6  }
7  let result1 = addNum(val1, val2)
8  let result2 = addNum(10, 2)
```

① → Global Execution
          ↓
        this

② Memory Phase

Val 1 → undefined
val 2 → undefined
add num → defination
result 1 → undefined
result 2 → undefined

```
1    let val1 = 10
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3    function addNum(num1, num2){
4        let total = num1 +num2
5        return total
6    }
7    let result1 = addNum(val1, val2)
8    let result2 = addNum(10, 2)
```

③ Execution Phase
    val1 ← 10
    val2 ← 5
    add Num ⟶   new variable
                 environment
                      +
                 Execution
                      thread

Memory Phase

val1 → undefined
val2 → undefined
total → undefined

Execution Context
    num1 → 10
    num2 → 5
    total → 15

Delete