

Javascript Execution Context

$\boxed{\{ \}}$ \rightarrow Global EC \leftarrow this

\hookrightarrow Global Execution Context

\hookrightarrow Function Execution Context

\hookrightarrow Eval Execution Context

{ }

→ Memory Creation Phase

→ Execution Phase

```
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)
```

→ Execution Phase

① → Global Execution
↓
this

② Memory Phase

val1 → undefined
val2 → undefined
addNum → definition
result1 → undefined
result2 → undefined

```
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)
```

③ Execution Phase

val1 ← 10
val2 ← 5
addNum →



How does javascript execute code + call stack | chai aur #javascript >



Chai aur Code

```
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

12:46 / 26:12



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① → Global Execution
↓
this

② Memory Phase

val1 → undefined
val2 → undefined
addNum → definition
result1 → undefined
result2 → undefined

③ Execution Phase

val1 ← 10
val2 ← 5
addNum →
result1 = 15

new variable environment + Execution Thread

Delete

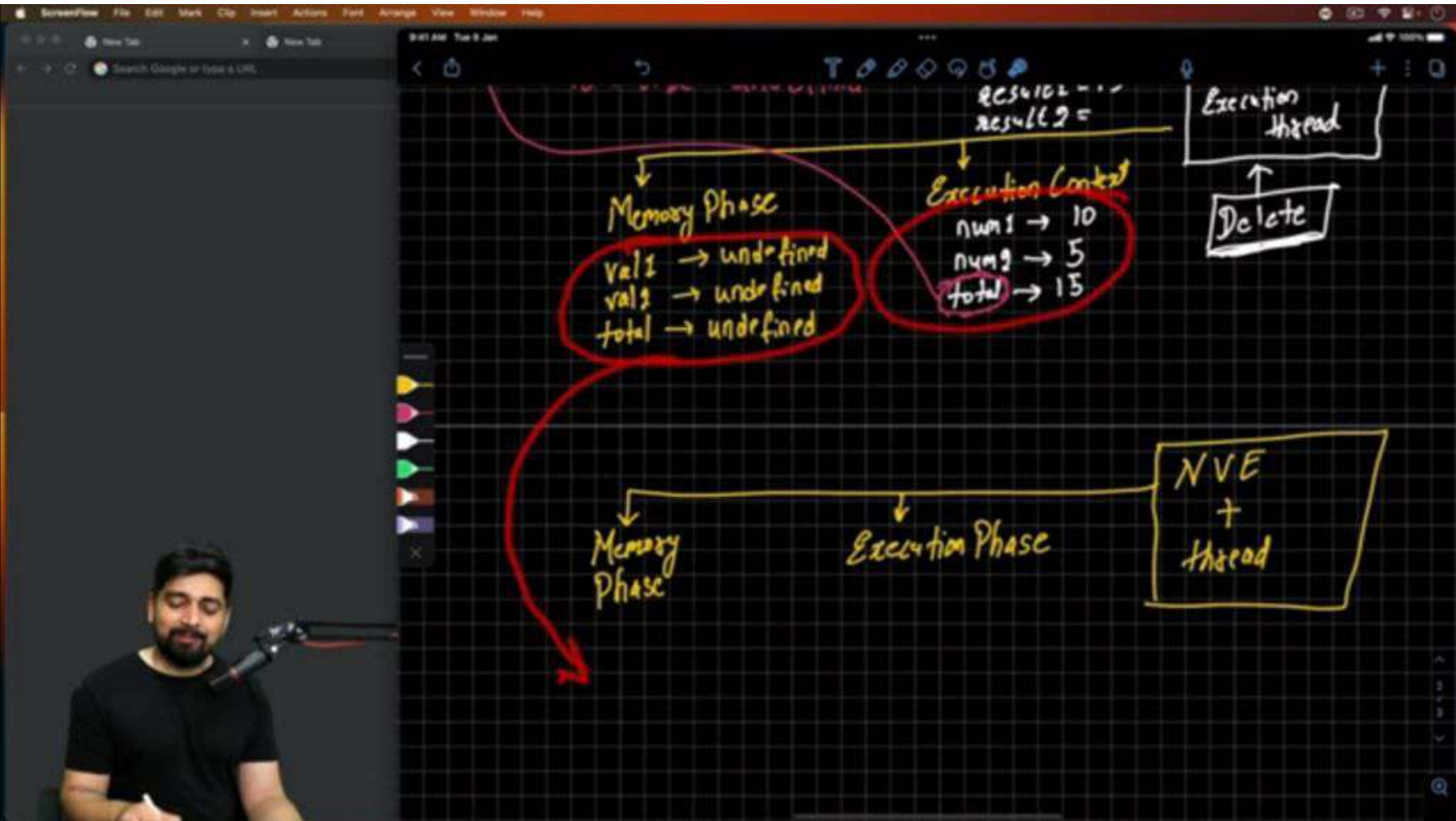
Memory Phase

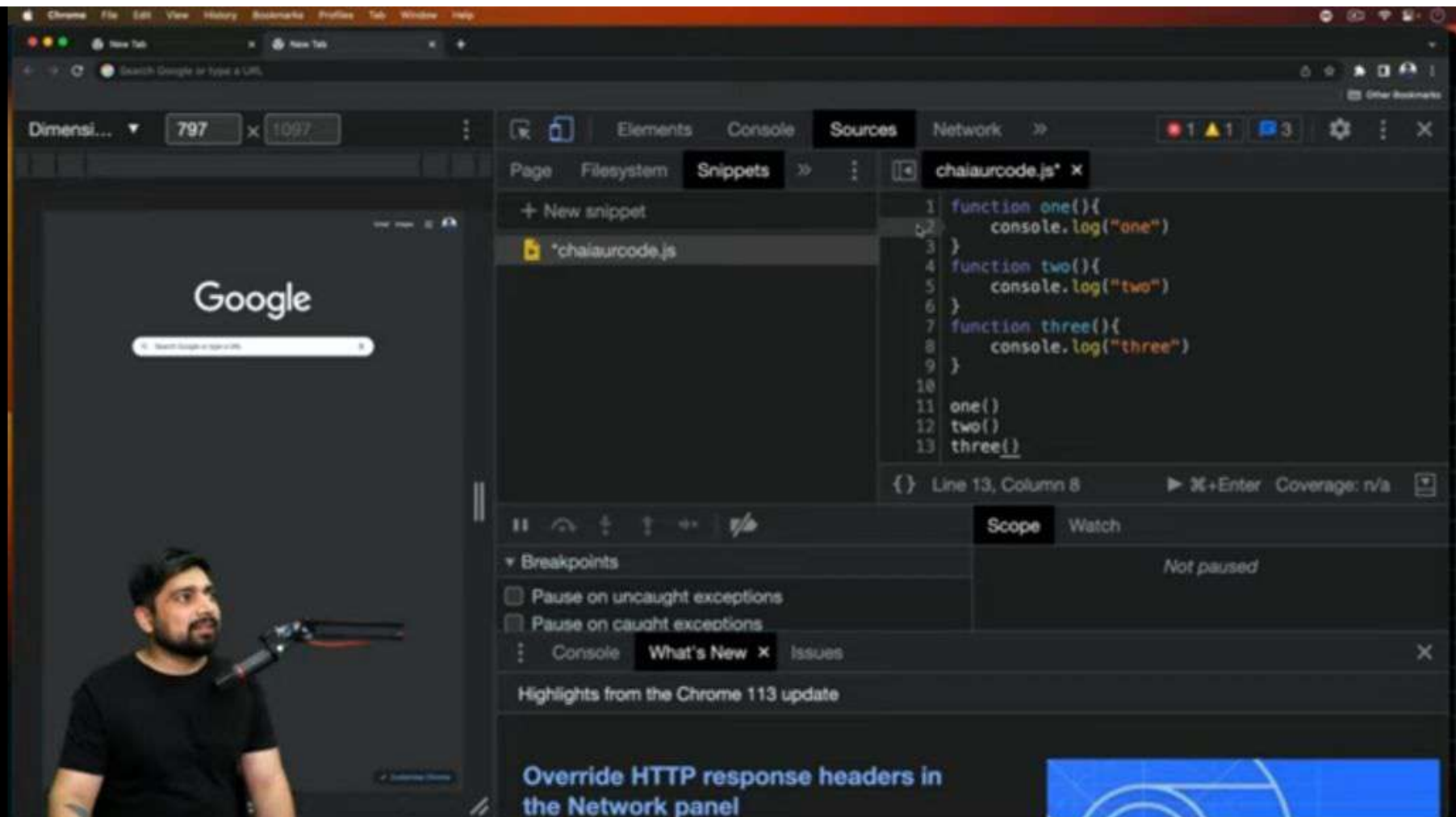
val1 → undefined
val2 → undefined
total → undefined

Execution Context

num1 → 10
num2 → 5
total → 15

```
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)
```





Chrome DevTools interface showing a web page with the Google logo and search bar. The page dimensions are 797x1097. The Sources panel is open, displaying the file `chalaaurcode.js` with the following code:

```
1 function one(){
2   console.log("one")
3   two()
4 }
5 function two(){
6   console.log("two")
7   three()
8 }
9 function three(){
10  console.log("three")
11 }
12
13 one()
14 two()
```

The console shows three log messages:

- three
- undefined
- VM176 chalaaurcode.js:8

The console also indicates 3 issues and 1 hidden issue.

