Array Function

1 Push

let myArr =[0,1,2,3,4,5,6,7,8,9]

/ myArr.push(6)

// console.log(myArr);

2 POP

let myArr =[0,1,2,3,4,5,6,7,8,9]

myArr.pop()

console.log(myarr)

3 Unshift

let myArr =[0,1,2,3,4,5,6,7,8,9]

myArr.unshift(90)

console.log(myarr)

4 Shift

let myArr =[0,1,2,3,4,5,6,7,8,9]

myArr.shift(90)

console.log(myarr)

5 Includes:

it will check the 7 is present in the array or not

let myArr =[0,1,2,3,4,5,6,7,8,9]

console.log(myArr.includes(7))

6 Index of

let text = "Hello world, welcome to the universe.";  
text.indexOf("e", 5);

Output:

Find "e", start at position 5:

14

Ex2

Find the first occurrence of "e":

let text = "Hello world, welcome to the universe.";  
text.indexOf("e");

Interview Question Important:

* Note: Javascript is an single threaded :
* Javascript Execution Context
* Two execution Context

1. Global Execution Context
2. Function /Functional Execution Context.
3. Optional…. Eval Execution Context in MongoDb

How javaScript Code Execute :

They run two phases:

1. Memory **Creation Phase –** variable y jo bhi declare kie hai unke space allocate hoti hai .
2. **Execution Phase** : +,-,\* y sb eute hote hai .

Ex –

Let val1 =10

Let val2 = 5

Function addNum(Num1,Num2){

Let total =num1 + num2

Return total

}

Let result1 =addNum (val1 ,val2)

Let result2=addNum(10,2)

**How Above Code Execution:**

**Step1:** Global Execution jo bhi code run krne ho vo Global Execution s hote hai or isko sbse phele allocate kie jate **this** k andr.

**Step2 /Cycle 1:**  Memory Creation Phase: val1 ->undefined…. jo variable declare kie hai unhe lie jate hai or unke andr rhke jate hai undefined.

Val2🡪 undefined

addNum-> definition function k andr jo bhi hai vo definiation m chlegye.

Result1 -> undefined

Result2-> undefined

Step3/Cycle2 :Execution Phase

Val1 🡨 10

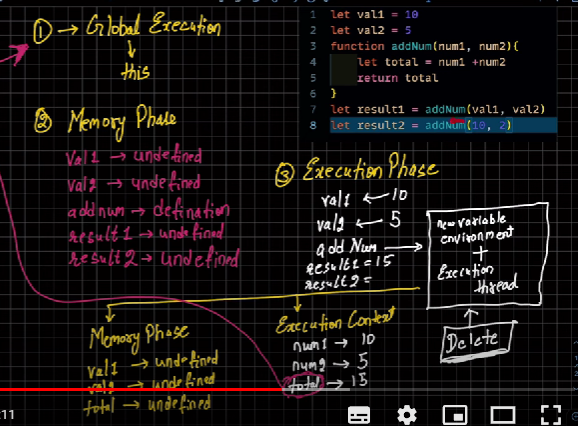
Val2🡨s5

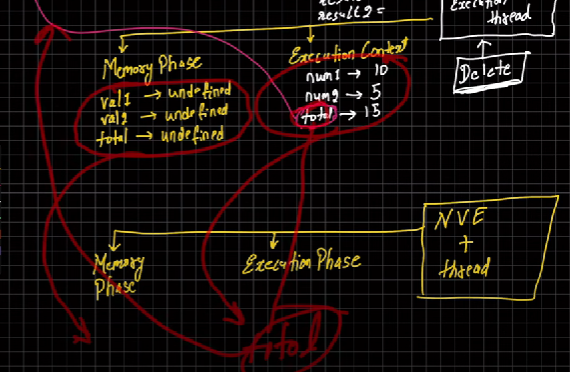
Function ki definition hold krke rhkdi hai

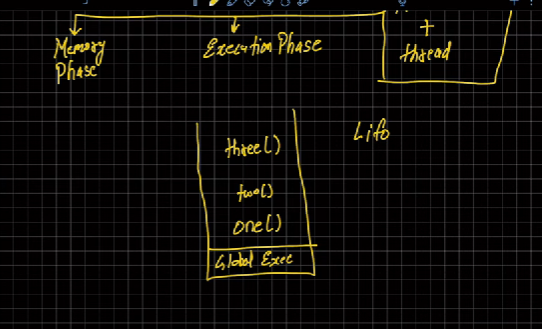
New Variable environment  
 +

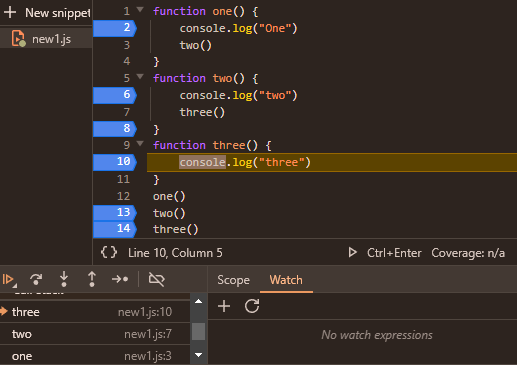
Execution Thread

Result1 = addnum🡪









This box is called an sandbox

Jiti br y function call hote hai uti br y box create hote hai iske bolte hai **New Execution Context .**

Note : jiti br finction call hoge uti br box bnege jiti bar box bnege uti br **step:2 and step3 call hoge .**

**Global variable is define only one time.**

