Code:
var n = 2;

function square (num)?

var and z num # num;

return and;

var square 2 = square (n);

var square 4 z square(4);

1st phase

Memory Code

n: undefined

Square: ?

Square 2: undefined

Square 4: undefined

and phase

Memory	Code
n: 2 Square: {} Square 2: undefine Square 4 undefine	Hemory Code runn:undefined ans: undefined d

A After allocating value to n i.e 2, there is nothing to allocate in the function, so it goes afterthat which is function invocation > this creates an execution context in code

I then again phase I. Starts that is memory creation _> Runs code and allocates memory in undefined space (code execution phase Hemory Code Square: {...} I Then It will encounter return and returns the 3nd phase 2.

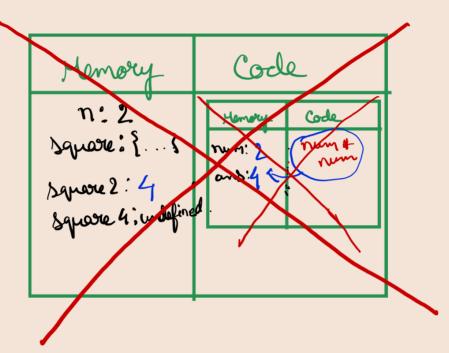
Hemory	Code
M: 2 Square: {} Square 2:4 Square 4. defined	Hendy Code run: 2 run 4 num:

After the value is returned, the whole execution context for that instance of the function will be deloted.

Memory	Code
n: 2 Square: {} Square 2: 4 Square 4; undefine	Hemory Code run: 2 num 4 run

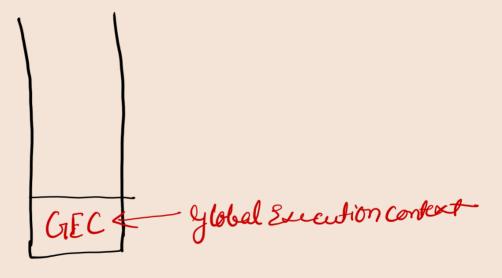
It some steps happens when it encounters squarey.

glabal execution context is delated.

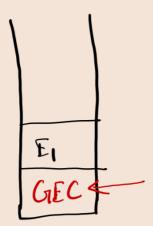


It she whole thing gots executed in call stock.

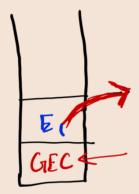
Call Hock.



* Whenever a function is encountered, a new execution context is created and put inside the stock.



I Once we are done with the excution of the function E, is maved out and control goes back to GIE(.



rew execution context às put in stock.



It The Some Steps gets nepeated

It The Some Steps gets nepeated

It Tinally when whole thing gets executed the call

Stock gets empty.

"Call stock maintains the order of execution of execution of execution contexts"

Call stack is also known by vasious names.

- · Execution Context Stock
- · Program Stack.
- · Control Stock.
- · Runtime Stock. · Mochène Stock.