Turwash Notes : 19th Feb 2023
DOM + Modern TS-class
Derformance + measure speed of coele - how to write efficient & performin Coele
A Standard way to measure how long your code takes to run.
by using method. [performance new()] This is very accurate.
Const fine 2 = performance naw () Const fine 2 = performance naw ()
Console. Log (time 2 - time 1).

when we add paragraph in DOM, 2 things happened (calculations for element Reflerio dimension & positioning etc) - Repaint to show element pixel by pixel on your Screen) good practice is repetition in your Doc. L' Répleur takes more time but less than réfleur Je Best practice Document Fragment lightweight document Object, no reflew & repaint when we add element to it, then we will add Document Freignent to Document Then it will do one Reficus & Repeilent

7) The Call Stack:-

Single-threading: - One Command at a time.

JS is Single-threaded language.

Single-thraded
Synctronous language.

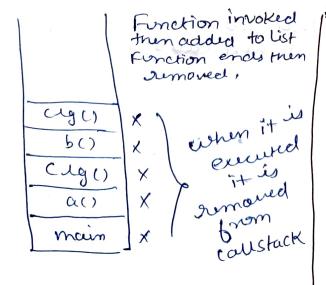
Crecutes line by line.

ignaces pernetion best when function
as caused gass inside function then

again line by line.

- .) run to complition nature of tode language.
- -) JS does not execute multiple line or multiple function at a time

Cau Stack is a list that tracks or Stores the Functions:



function a() {

console.log('Hi')

b();

bunction b() f

console.leg('Hulo');

}

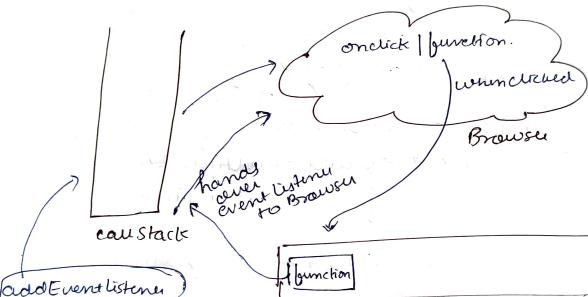
a();



Synchroneus - occuring at a Same Hime.

Event-listener is -> Asynchronousbecause it works when action is performed.

Event loop: -



vera ustena

(This will execute function only usun eau Stack is empty)

1 ug ('Hi');

(code:

(click genetion () of cy ('123');

only will run when clicked esse 3 will be executed

(3) cig ('Herro');

add Evenslistener lever)

EXPLAINED

1) cig ('ABCD')

element-add Eventlistener ('Wick', Junction () of cig ('1234');

3) cag ('xyz').

· Naw, in call Stack:

Jentry of @ and 'AB(D' is printed & Step 1) is executed

Then entry of 2 event listener. but it is when hands over event listener to browser & more to 3. elg ('XYZ')

Now, when licked Browsu will hand over the function to queue, but the Quine will only Execute the function, when caustack is empty. if call stack is working on any function, queue will hold the event listener function. when its empty, it is executed finally.

This loop is called Event Loop

A 138+ more :-1) Asynch code -> depends on JS Event loup e) Any Asynch code is handled by coulstack -> Browsu -> queu waits untill Cau Stack es empty # SetTimeOut () SetTime Out (Junction () of ceq ('Hi'); 1, 4000); waits For 4000ms or 4 sec before execution. But no guarantee 4 see is min mum time can take more, waits for call Stack to be empty.

> because this is also Async Code

SetTimeout 2 parameter (Junction (), Time)
(Junction (), Time)
when you want to defen Something, you
Can you use Set time Out.
Set Timeout, 0
dois not mean to sun immediately. it will still do the Event Locar:
it will still do the Event
Locep.