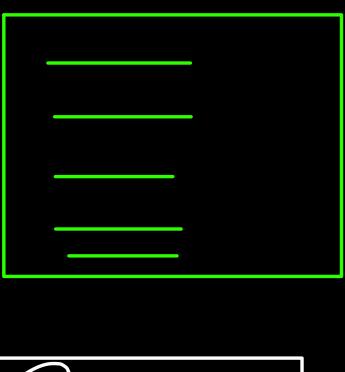
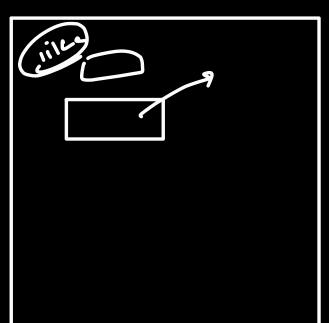
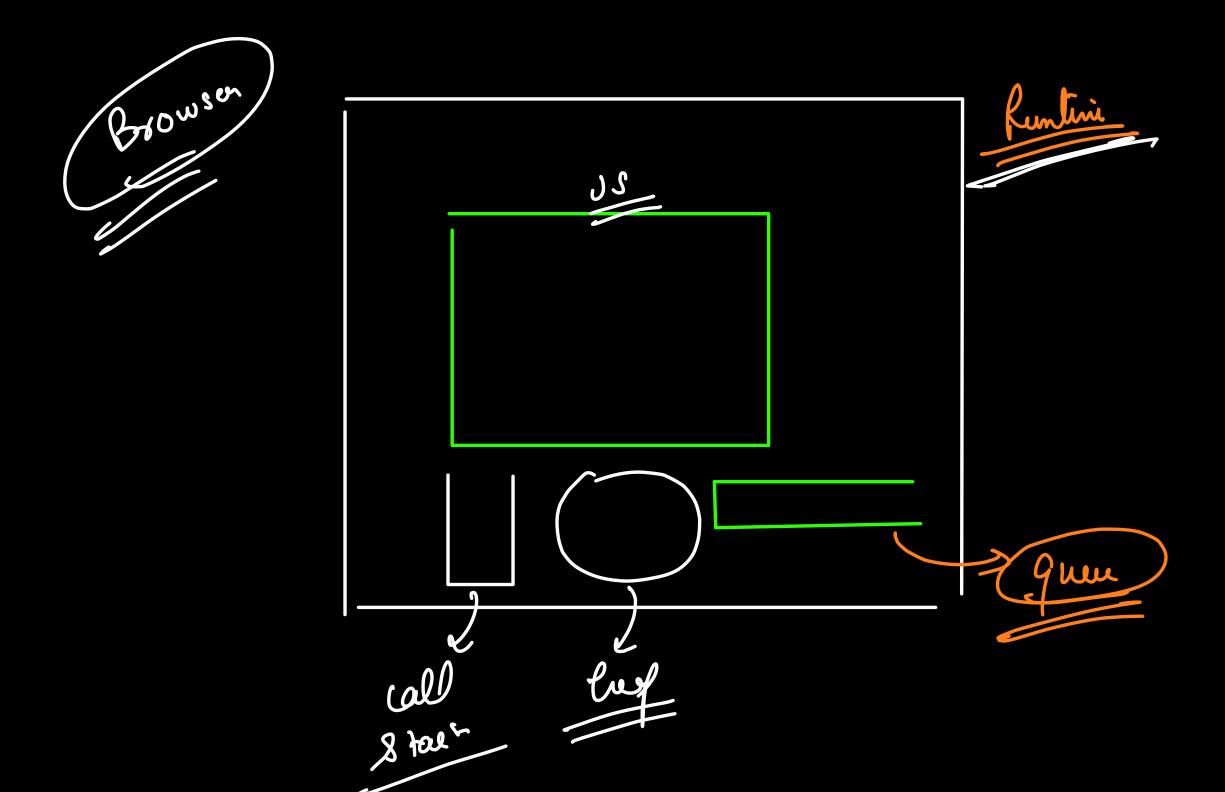
## Async Programming With JS

		in nature
		threaded.
if we ecr	enecute venascoipt 1 an 67 the	alal ocle viz standard







function timeConsumingByLoop() { console.log("loop starts"); for(let i = 0; i < 10000000000; i++) // some task console.log("toop ends"); function timeConsumingByRuntimeFeature() { console.log("Starting timer"); setTimeout(function exec() { console.log("Completed the timer"); }, 5000); 146)} 15 console.log("Hi"); 17 timeConsumingByLoop(); timeConsumingByRuntimeFeature(); timeConsumingByLoop(); 21 console.log("By");

Remaria Pin - Sse CNIC Cuent que

His loop stoud

(oop ends

Stanly lines

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By

Capellot line

Capellot line

Capellot line

it keps on checking whether the call stack is emply or not & no global lode is exply or not &

```
function timeConsumingByLoop() {
        console.log("loop starts");
        for(let i = 0; i < 100000000000: i++) {
            // some task
        console.log("loop ends");
    function timeConsumingByRuntimeFeature0() {
        console.log("Starting timer");
        setTimeout(function exec() {
10
            console.log("Completed the timer0");
11
            for(let i = 0; i < 10000000000; i++) {
12
13
                 // some task
14
        }, 5000); // 5 sec timer
15
16
    function timeConsumingByRuntimeFeature1() {
17
        console.log("Starting timer");
18
        setTimeout(function exec() {
19
            console.log("Completed the timer1");
20
        }, 0); // 0 s timer
21
22
    function timeConsumingByRuntimeFeature2() {
23
        console.log("Starting timer");
24
        setTimeout(function exec() {
25
            console.log("Completed the timer2");
26
        }, 200); // 200 ms timer
27
28
    console.log("Hi");
29
    timeConsumingByLoop();
30
    timeConsumingByRuntimeFeature0();
31
    timeConsumingByRuntimeFeature1();
32
    timeConsumingByRuntimeFeature2();
33
    timeConsumingByLoop();
34
    console.log("By");
```

```
Rentur
                                100% Starto
time 0 > 5 sec, execo
time > 0 sec, excel,
Ken 2 - 200ms, eneral
       Curit
   Aon-Glocky
                             Call stack
```

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