

Day -11

Create our JavaScript

→ Disable AI

→ Be our JS for many we to write same logic

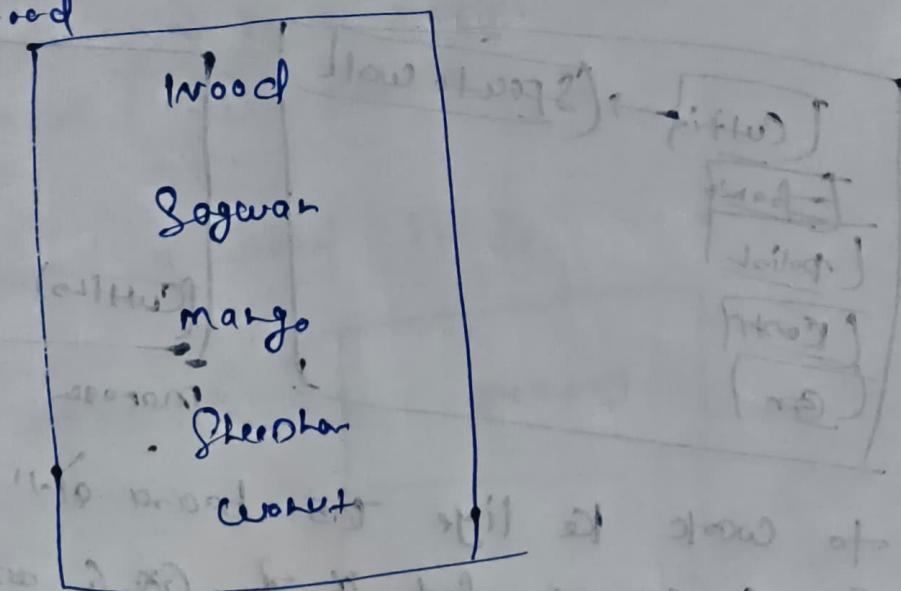
AI depend → which one → ~~Res~~ ~~Ref~~

JavaScript

factory

Surf, Chair, Table

you to grab wood , so we need type of
wood



we cutting tree all

Cutting

Material, raw material

11 - 50 C

→ the framing

Framing

it's ideal to
cross cut to waste

then

Polishing

no dust or marks in

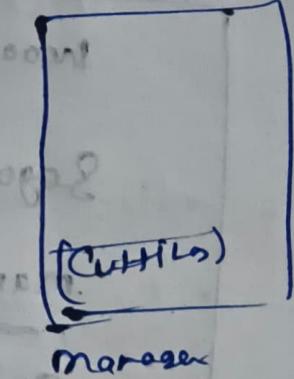
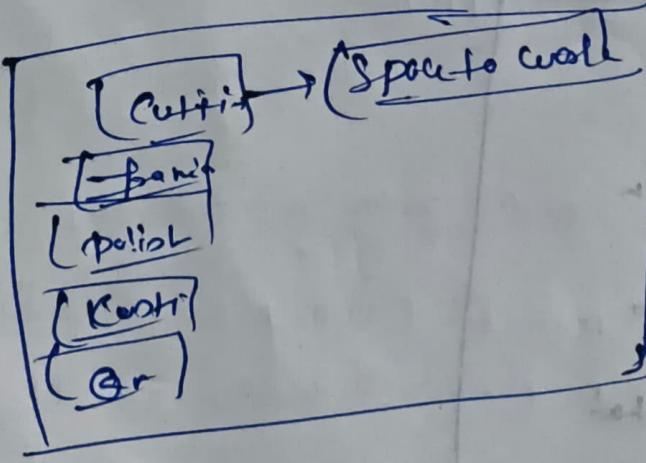
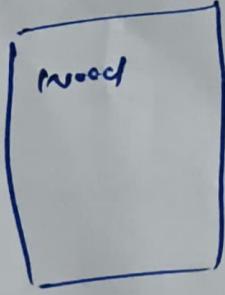
then Cutting

then QA (Checking quality)

QA

reject

and get my wood which please
so we need manager



Space to work ke liye 105 board १० फीट
105 ft 6x6 की bed & ६x6 की

Cutting की फीट २x2 की

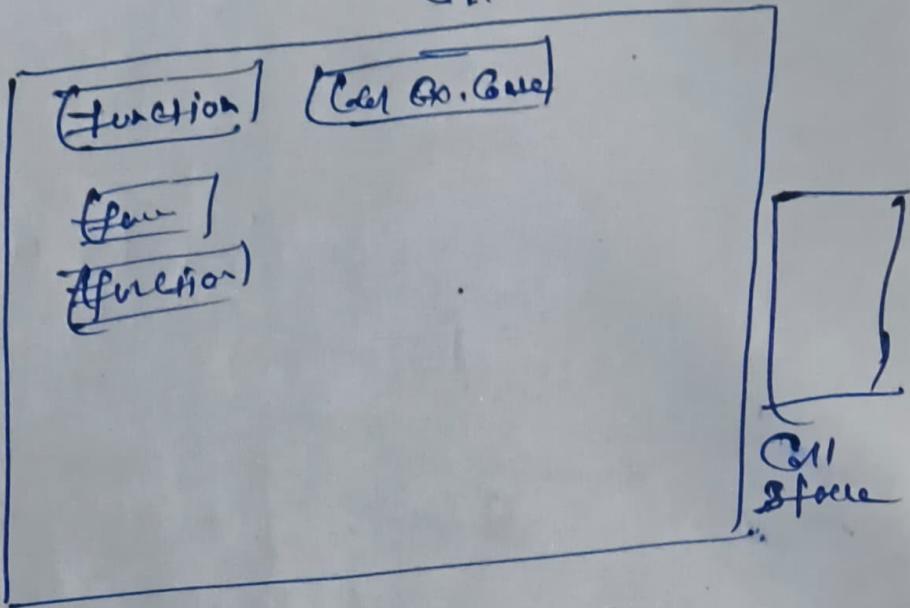
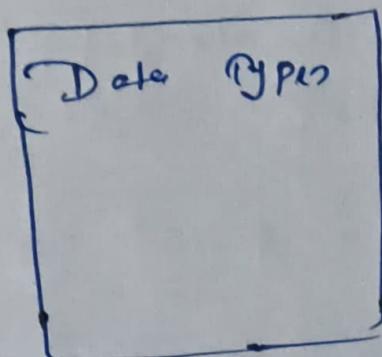
factory waste + Board

get factory ८
- ८A actual wood
and Board ८A
reject

Same thing

happens in JS

Global Context

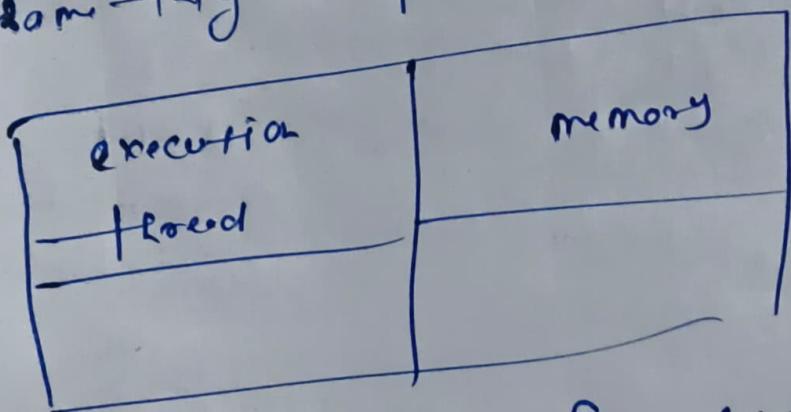


When function BT starts execution Context
at start k. With EC mini factory BT

GOTK - after

And we also need more memory and flat memory
And Global Stack

Same thing works in JS



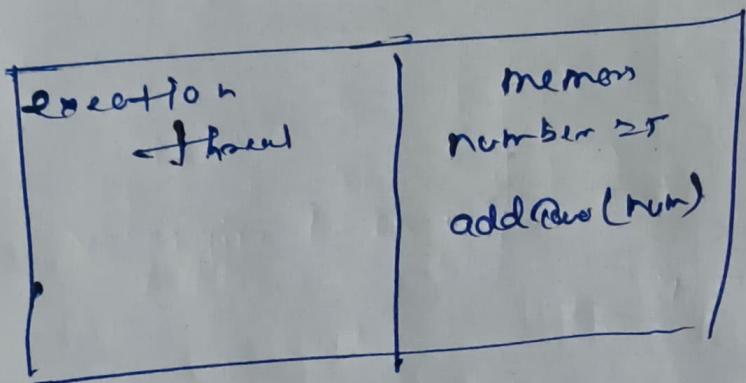
So same thing happens for Global Context on
in execution thread and other is memory

* If factory at Global Execution Context then

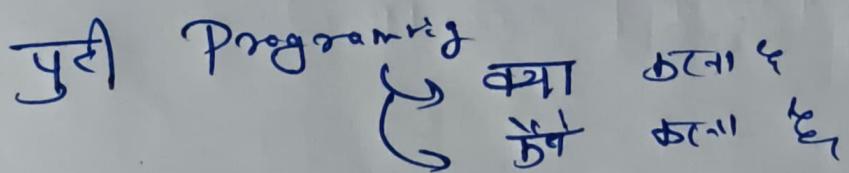
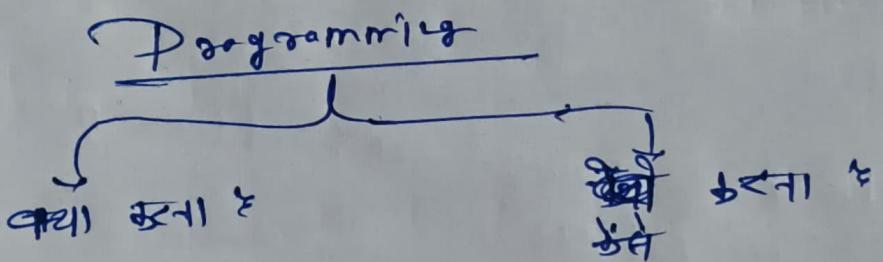
Const Number = 5

function addTwo (num) {
 return 5+2;

Get value one = addTwo (number)



Note



Brower

↳ understand 3 language.

HTML

CSS

③ JS (JavaScript)

JS engine name

V8

→ Chrome

Spider monkey

→ Firefox

Safari

→ Safari

ये यह पार

थे engine हैं

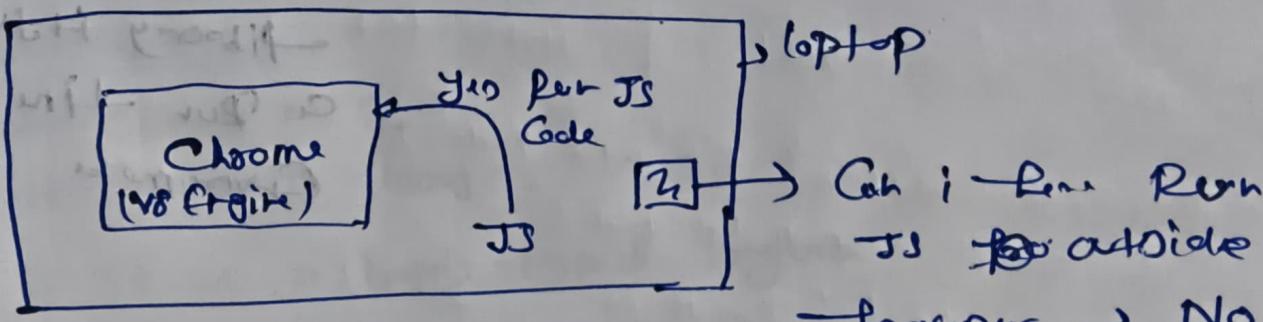
अगर ये engine नहीं होती तो JS
Run करना क्या होता है,

JS engine → Run JS Code

C, C++ Compiler ≡ CPP Compiler

Java = Java Compiler

JavaScript = JS engine



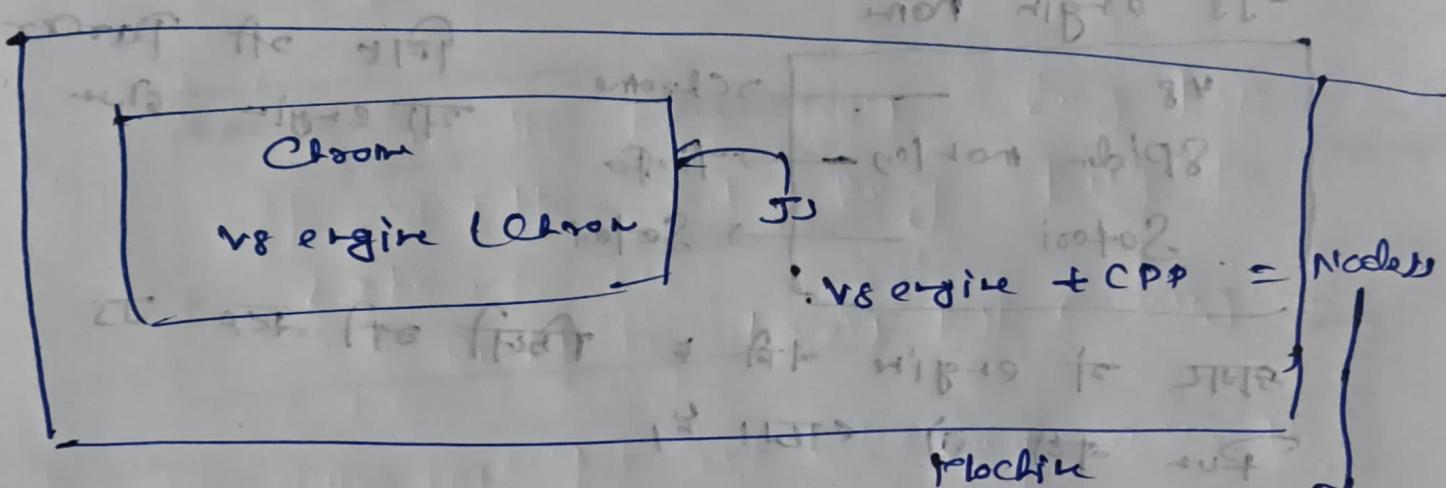
V8 engine + CPP = NodeJS

So what i just put in Ceph Top

The first Ceph Top JS

Classical means now i Gr. Peth JS outside

at last JS + the browser



Runtime

Env. for JS

Node.js - original web library → No, it

(it is framework / library is neither

framework /

library it just

a Run-time

Environment

most used in node.js
which uses it
on a massive

Console → q-1 is just point output of JS.

Sources → जो ला file को load होते हैं,

network → जो क्या Request / Responses को है



Internal JS

<HTML>

act. code → class smart TV or
act. code → hub, idiom, P

<script>

not
source,

function sayHello () {

Grocery('Hello!')

<script>

</HTML>

External JS

Script.js

Grocery('I am a code in SC.js file')

Script.js

var frame = 'Riyash';

var lname = "Bhardwaj";

|| JS is a loosely typed language

Grocery("name of frame is " + frame)

~~frame = 'y low';~~

Console ('value of frame is ' + frame) // It's undefined

~~frame = 32;~~

Console ('value of frame is ' + frame); // 32

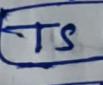
↳ so in JS frame only Change type

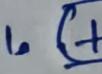
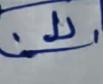
of variable, just Change String to

number.

↳ so it is loosely typed language

→ In TypeScript you can't change a variable
data type.

Browsers not understand  so that

Browsers compile  to  and then

will be understood.

function is a set of instruction

function addNumber (num1, num2) {

 var result = num1 + num2;

 Console ('Result is ', result)

}

addNumbers (2, 3)

addNumbers (3, 4)

Conditions

(Sometime we want code run or a particular Condition)

Condition ("vote is allowed")

Condition ("you are not allowed to vote")

↳ to below 18

↳ If both
need to Run

under a Condition

II Condition = go -> true / false / this ref

II Condition = True or False

Get age = 19;

Condition (age > 18); II True

Condition.

Get age = 18;

Condition (age > 18); "False"

Get age = 18;

Condition (age ≥ 18); True

Note Condition always Returns True / False (Boolean)
return

Var age = 22;

Var Condition = age ≥ 18 ;

~~Var Condition~~

if (Condition) {

Condition ('Vote is allowed')

g

else {

Var age = 12;

Var Condition = age ≤ 18 ;

if (Condition == true) {

Condition ('Vote is not allowed')

g

Var age = 12;

Var Condition = age ≥ 18 ;

~~Var Condition == true~~ =

if (Condition) {

Condition ('Vote is allowed')

else {

Condition ('Vote is not allowed')

g

- Set credit for who have multiple children
- first fib Cde set for that
- you need something new

Goals

0 - 16 → Child

17 - 18 → Teen

19 - 40 → Adult

40+ → Senior

var age = 22;

var ChildCredit = age >= 18;

var TeenCredit = age <= 19;

var AdultCredit = age <= 40;

var SeniorCredit = age > 40;

if (ChildCredit) {

 Greeting ("you are a child");

}

if (SeniorCredit) {
 Greeting ("you are
 a senior");
}

if (TeenCredit) {

 Greeting ("you are a teen");

}

if (AdultCredit)

 Greeting ("you are a adult");

?

Scripted

var teen Condition = age > 12 & age <= 19;

var adult Condition = age >= 20 & age <= 40;

if (Child Condition) {
 Greeting ("you are a child")

else if (Teen Condition) {
 Greeting ("you are a teen")

else if (Adult Condition) {

 Greeting ("you are an adult")

} else if (Senior Condition) {

 Greeting ("you are a senior")

} else {

 Greeting ("you are a weirdo")

} else {
 Greeting ("you are a geek")

}

Outer Condition true at some point that
Code (not execute) remains
Stop removing

Loops

For
while
do while
for each
map
for in
Iterator
filter
Reduce
Entries, Keys

Typically there is has
typ. of loop learn

for (initializer; Condition; increment) {
 // Code inside loop [Control ->
}

for (var x = 1; x <= 10; x++) {

console.log('Meri x ki value', x);

}

| | | | | |
|-----|----------------------|-----------------------|-------------|------|
| For | DRY PUP | Condition = $c <= 10$ | $x = x + 1$ | Code |
| x | | | | |
| l | True ($1 \leq 3$) | | | 1 |
| 2 | True ($2 \leq 3$) | | | 2 |
| | False ($3 \leq 3$) | | | 3 |

For → .

250e)

code C will print

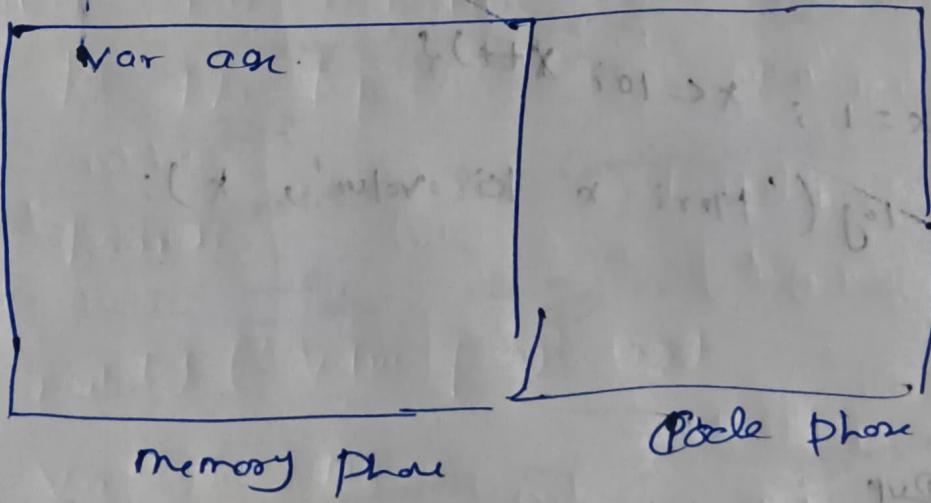
while → Gde ko for jadi Grosir Mar
ketika

? or qkrn fm Gudidit Des
dans log atau ?

var arr;

Grosir (as, ('Ag 12', arr));

Execution Order



Hoisting

A JS

age = 45;

console.log('Age is ', age);

var age = 32;

console.log('Age is ', age);

1. First it will print age is 45.



Age is 45

Age is 32

Note :- debug ~~no~~ point

↳ लिस्ट का पास से कहा किया गया

अगली execute की हुआ जैसा कि नहीं किया गया

Execution Context का पास

var x = 23

↳ Execution Order #) x = undefined

Memory Phase #) x = 32 FF_E

Script.js

function()

console.log('Age is ', age);

function hello () {

@console.log('This is Hello')

}

Hoisting

→ It is a mechanism where Variable declaration and Class declaration are creepily drawn to the top.

⑩ blocks

console.log('Value of age', age)

var age = 45

~~another block~~ console.log('Adding 5 to age', addFive());

console.log('Value of age is ', age)

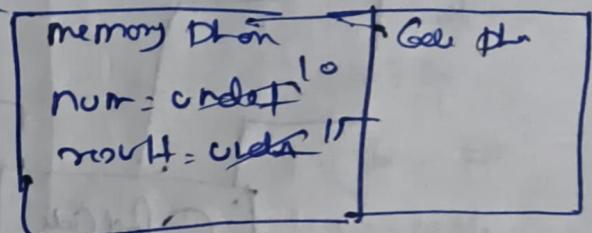
function addFive(number) {

var result = number + 5;

return result

}

| memory phs | Code phs |
|---|-----------|
| age = undefined
function addFive(number)
var result = number + 5;
return result
3 | undefined |



JS

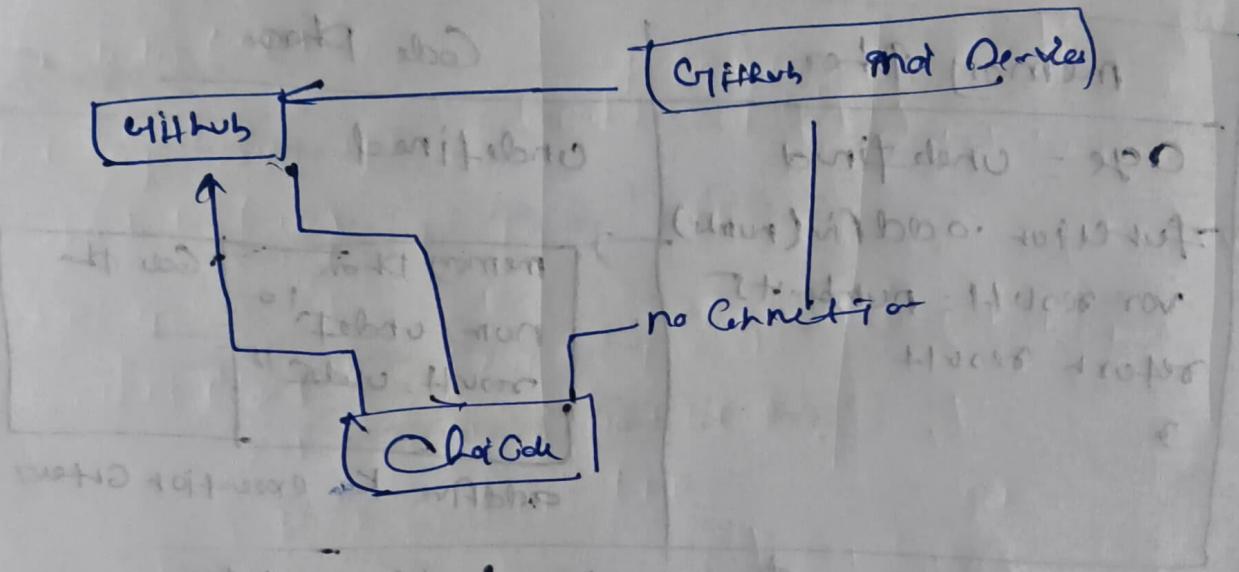
JS engine top-to bottom jst

here our memory phs & code phs

Code part execute ~~first~~ &

इसलिए variable के undefined and then
values put हो जाते हैं

JS એન્ટેરિયા આંકડે મેં શીખો



~~GitHub Pull Requests~~

GitHub

GitHub Classroom