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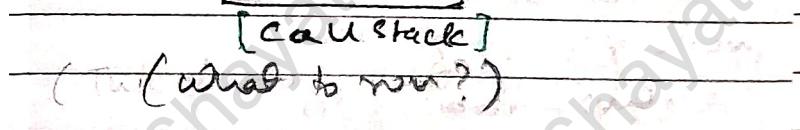
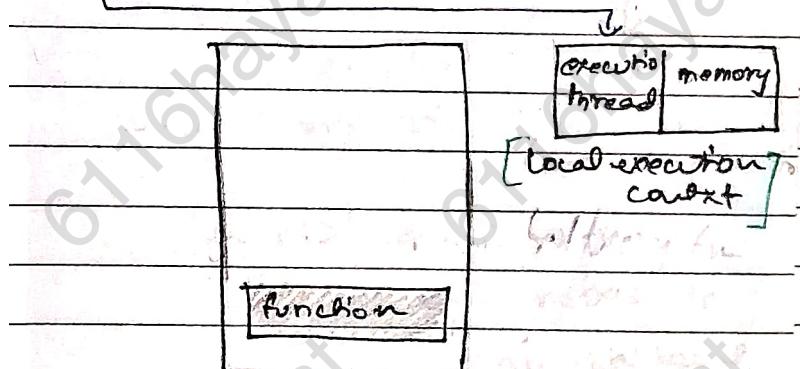
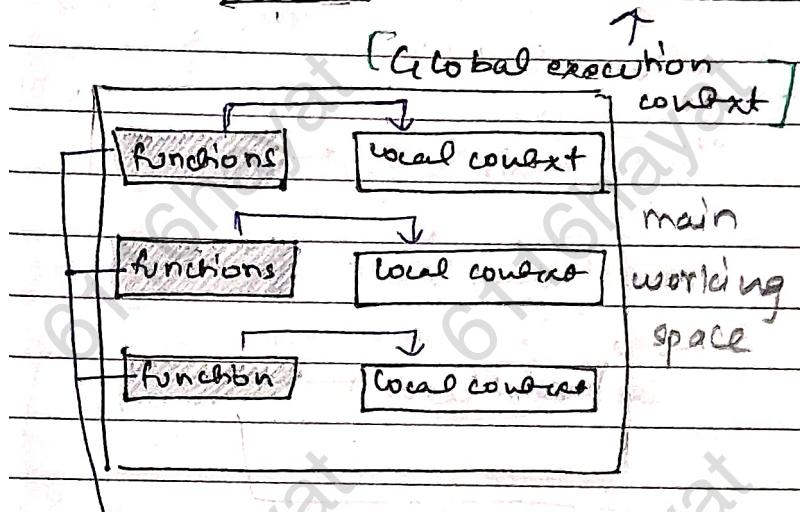
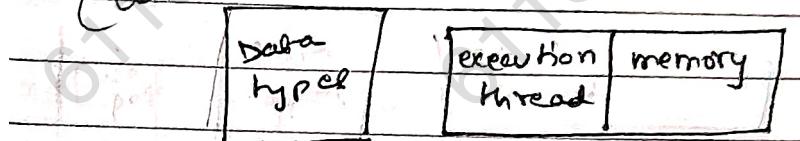
10 Feb 2026 Revision Class

Every day

Chaitin's Javascript

[49:00 - 1:05:00]

(What data?)



* Every function has its own local execution context

[1:08:00 - 1:17:00]

Recap

(owner)

* Main thread: This executes top-bottom in the whole system



pigush's six explaining

[1:22:00 — 3:16:00]

⇒ Diff b/w loops

JS Engines

↳ V8 → chrome

↳ spiderMonkey → Firefox

↳ Safari

① For loop

when you know exactly
how many times you have
to repeat something

V8 Engine + Cpp = Node.js

② While loop

when you don't know
how many times it will
run, but you want to keep
looping as long as
condition is true

• JS is a loosely typed

language because

• All types are loose

var frame = 'String'

var frame = '3'

both works i.e.,

③ Do while loop

Similar to while, but
guarantees the loop runs
at least once, even if
conditions is false

initially

⇒ [conditions]

[1:52:00 — 2:20:00]

⇒ (memory - phase)

[2:45:00 —

* verbose ⇒ unnecessary long

* hoisting :

In JS is the behaviour
where the interpreter moves
declarations (like variable &
functions) to the top of their
scope before executing code.

88 → OR condition

(checks both)

⇒ [loops]

[2:20:00 — 2:44:00]

- Only declarations are hoisted,
not initializations

- Body of functions are hoisted

- Allows functions to be used
before they are defined and
allows variables to be accessed

~~function declaration~~ → function expression

~~function declaration~~ → function declaration

~~function declaration~~ → function declaration