

Libur Library Powers async processing in noders

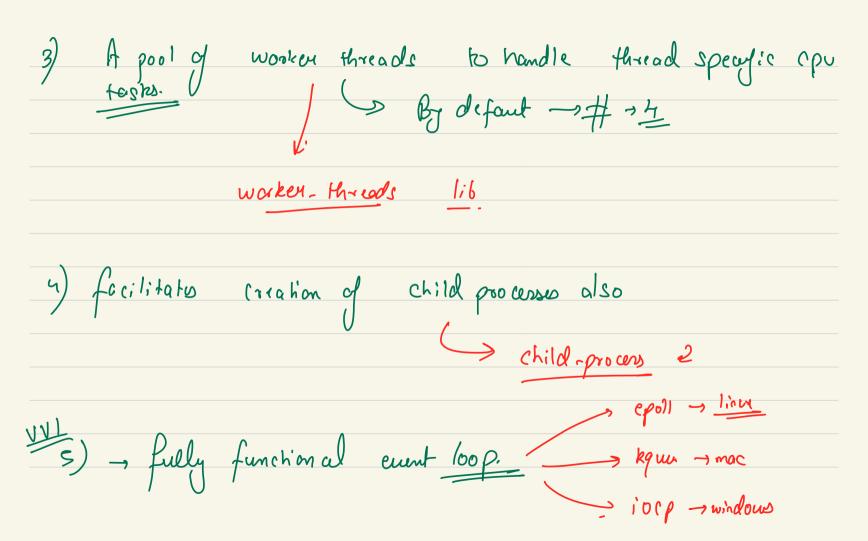
Libur provides a lot of imp functionalités la nodejs: -> TCP, DNS resolution, UDP etc 1) Networking Capabilites nodejs -> net

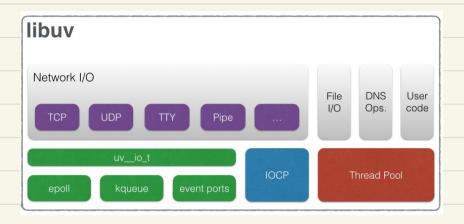
das

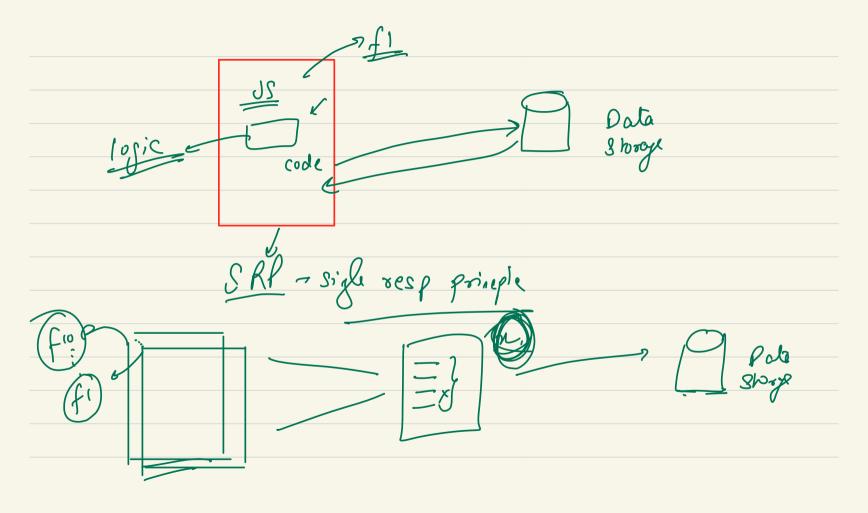
dgaan

Glong with Jibuu,

C-ares is used 2) file 10 & similar ops. -> (fs)







Handles & Reguests in Sibur

handles in liber

I long lived object used for async ops like 7th setup

Setup

Setup

Security closed

Security closed UV_Udp-t
!

Repurts in librar Short lind objets (exist only tell the duration)

of operation reading er writing a file. UV_woite_t

UV_fS_t

;

Poe- 7 equisity How the cuent loop in rodys works? G fromises Ly lineus Up Ticks by phases of event loop x

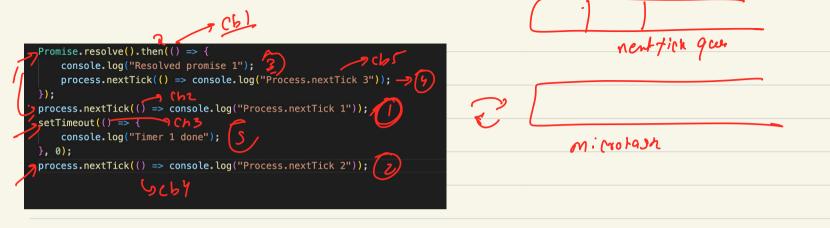
Ticks + One full trip/ileration of went loop.

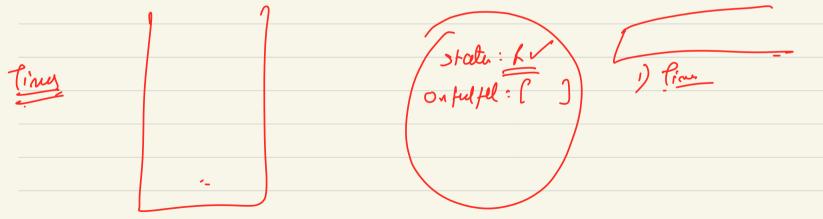
Breakdown

a tick in rodge seefers to execution of a microtastics

before the next iteration of the loop starts. nest lick que / rocers. nent lick () — this func" take a callback By invoking process next lick me instruct node to invoke this

| Cb, at the end of corren | I operation before the |
|--|--|
| | V |
| rent lick (hip/iteration) | 3 hours. |
| | |
| | |
| s demo1.js > | next lick gum_ |
| Promise.resolve().then(() => console.log("Resolved promise 1")); process.nextTick(() => console.log("Process.nextTick 1")); setTimeout(() => { | |
| <pre>4</pre> | eurt 100p |
| process.nextTick(() => console.log("Process.nextTick 2")); | micro tash que |
| | Ch to the second |
| | Male: Regular |
| Time of Oas | on Full fell: L |
| | (cb=) |
| | |
| | macko tost- |





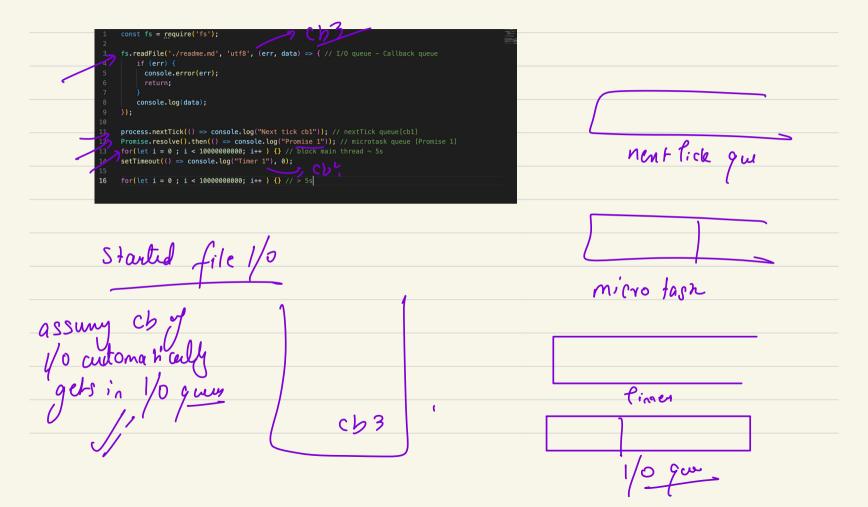
macrotask Contains milliple queur

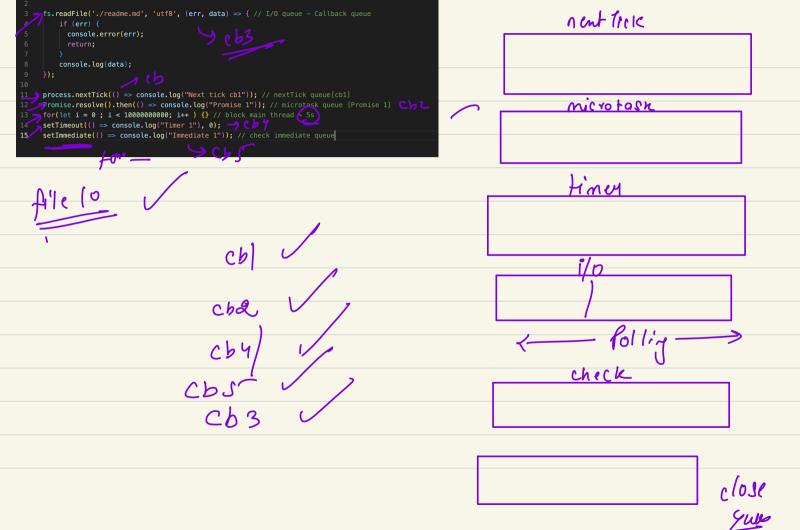
" workey of macrotash is defend by phase of

cut 100 p. cb of set twent /set / newd Piner quer (minheap)

Note > Callbacks in microtask que are executed after ency timer Callback in tomer queer. Le even before microtask que me execute the next lick qui cb. 1/0 gnews E Nodelis

Cb 9 we





Moder?

