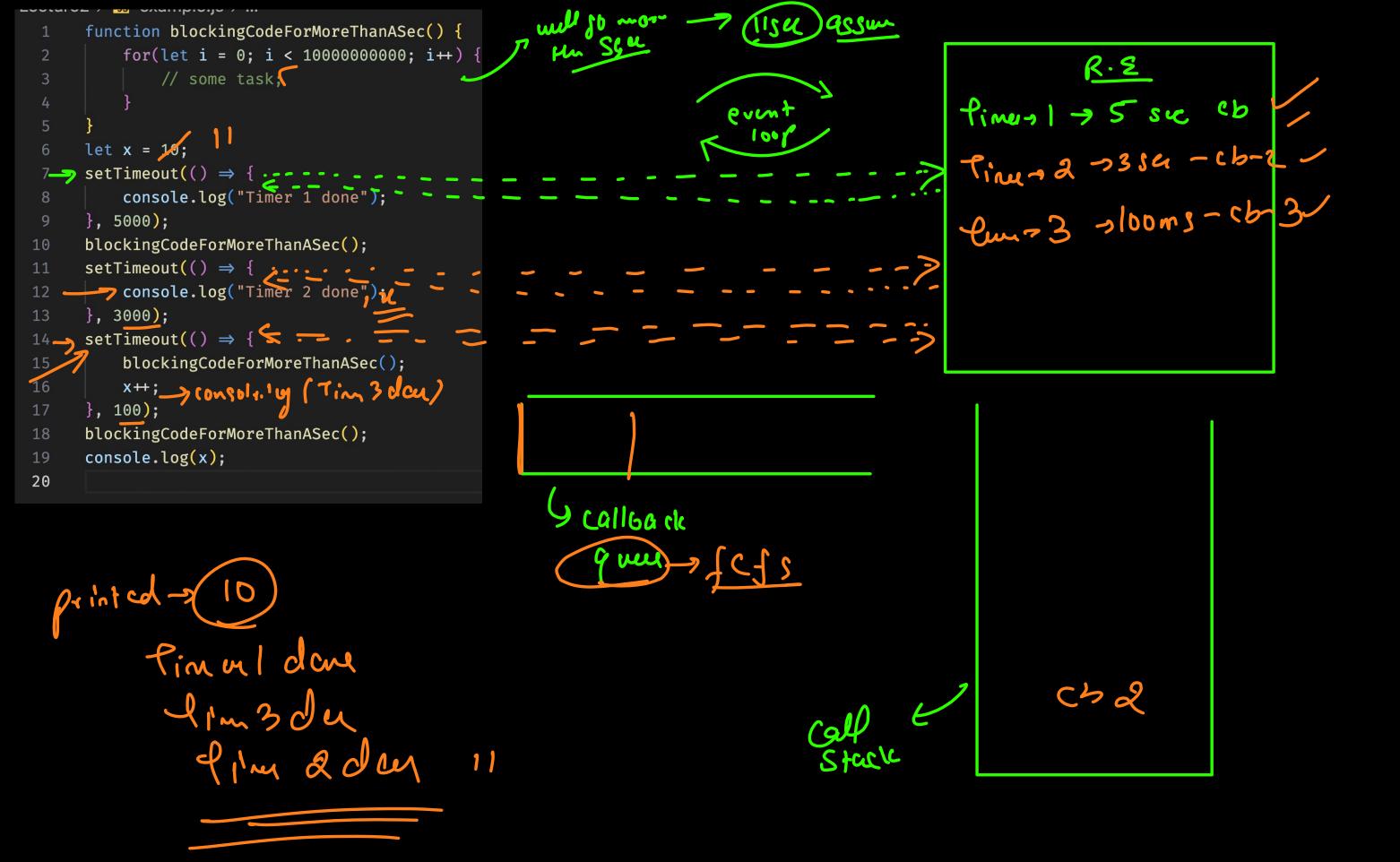
-> example to revise

-> what the issue with correct using Behaviour

-> Resolve issue -> Promises



# every async roche une discursed is mainly based out
of Callbacks

# But callbacus can he a bit froblematic.

Disadvantages Of Callback Based Codes

(all back hell) > Code readability issue.

(all back inside a call back inside a call back

(2) Inversion Of Control: you are geny contral of your code encution to some body else.

Stoipe CC Avenue, Razurpaj XML #Hpky Book My Show Sirty rate a layrnet Cuality a library SOK network Soft. deu, kin

Razorpay Cherlot (C ()=) 1 SDK of 8920xpay Callback based Razorlay Checkout Razospay Checkout (credentials, checkout (b) verifies Condetteals); eckcut (b();

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Promises

HISTH will be a long road byfixe we understand how Promises

Solve LoC.

-> What is 9 Promise in US??

1) It is a special JS object.

Lature of JS not the Runting).

romises are considered Readability enhancers as well. (it is slighty more readable than Cb)

Ly Just like cb, Promises can also be used wille Sync or async code: Promises are also Letture tasks. Considered flaceholders for

To understand Promises >

(2) how to create a Promise?

how to use a Promise?

#	Assume for some time, you don't reed to care about
	low fromise is created.
	Une la Consume a Promise ??
# P.	ropeuties of promise object: Toparet from there properties
	- Status - every promise object can have one of the 3 status:  - Value  - Value
	on full fill ment
	— on Rejection

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State of promise: Gossible State: Pending, Rejected, fulfelled Status is "Pending always. lending ~ fulfilled Rejected form penday you can go to fulfelled as segueted Status.

If one the promise is either fulfilled OR rejected State, the state cannot change again -> When well the status chaye & to what it cull chaye is programmed when promise is Coealed. Consumer of promise donot deady When & how State chayes. > A promise can be in foreway fundy state

a 150.

Value of a promise: > Promise Result L'orinially when Promise is created, the state is pendy le the value property is undefined. Ly when the state of a promise Changes to Pulfilled or rejected, then the value brokenty MIGHT-CHANGE. Value of a promise cannot chage without State charge- i.e. if promise fendy foreur, volund be un object facuer.

If the value of a promise has chayed on u, can it chaye again?? No:

# On ful fullment: [f1, f2, f3] Is it holds all the funct which we want to execute once promise state goes from PENDING to FULFILLED. It has nothy to do mely rejetion state. 5 Who writes these femin & regesters them in the array? Sthe consumer of the promise writes the methods Se manually regester /shore them in this groway.

He array remains emply until or unless you rejester / Shore the first fem c?. That means, state of state chaye does not control, when the array is emply-When the func's shored in this array well be executed is controlled by state chape. How to régister fenc???

Someture.

fron Regarded: > [ fifz,f3 ]

() It is cuaythy you brand in on fulfellant just

the otate chape we taught is

\$\emptyreup \text{Resolve} \text{NOIN G} \rightarrow \text{Resolve} \text{Resolve}.