Date://
Promises In Javasouipt
A promise is a javascript object that allows you to make asynchronous calls. H produces a value when async operation completes successfully or produces an everose If it doesn't complete.
completes successfully or produces an everor if it doesn't complete.
You can create promise using constructor
let promise = new Ponmise (Function (resolve, reject)
Executor function
Executor for takes 2 arguments:
> resolve — indicate successful completion > reject — indicates an every
The Promise objects and states
The promise object should be capable of informing consumers when execution has been started, completed of returned with an everof
returned with an everof

1. State > pending - when execution in starts
Fulfilled - When promise resolved
rejected - when the promise rejects
2. result > undefined - Initially when undefined state value is pending Value -
Value -
When promise is result
Ernor When the promise is rejected
A promise that is either resolved of rejected are settled
Handling Promises by Consumer
Three important handler methods then () Finally
· Catch()
These methods helps us create a dink
between executor and consumer to

Handler
I Han () Promise
The . then () Promise Handler
Know outcom
It is used to let consumor know outcome of promise. It accept 2 arguments
It accept a way
of promise.
· result
· evol.
Eg- peromise, then
$(au)(4+) \Rightarrow 2$
Console: log (result)
Console. 109 (HESILET)
2 a series of a read later
(evous) => {
console. log (error);
7.
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The catch fromise Handler
It's better syntax to handle Error than handling it with ithence
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than handling it with the oct
J. There is a second of the se
Eg > Promise Catch (Function (Como))
Eg > Promise. Catch (Function (Error)? console, log (Error);
console, log (Errog):

The finally () Promise Handler The finally () handles method performs cleanups like Stopping a loader ; closing a live connection and so on respective of whether promise resolve of verjects, the finally () mothod will run Eg-promise. finally (() => { Console. log ("Promise Settled");

3). then ((result) => 5

console.log ({result}); Imp point to note, the finally () method passes through susuit of evror to the next handler Which can call a then () of ecatch() again.