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In Java Script, promise is an object that represents a value that might not be available yet but will be resolved in the future either successfully or with an error.

It allows you to write asynchronous code that can handle the results when they become available.

Real life explanation

@ Samarthya Pandey

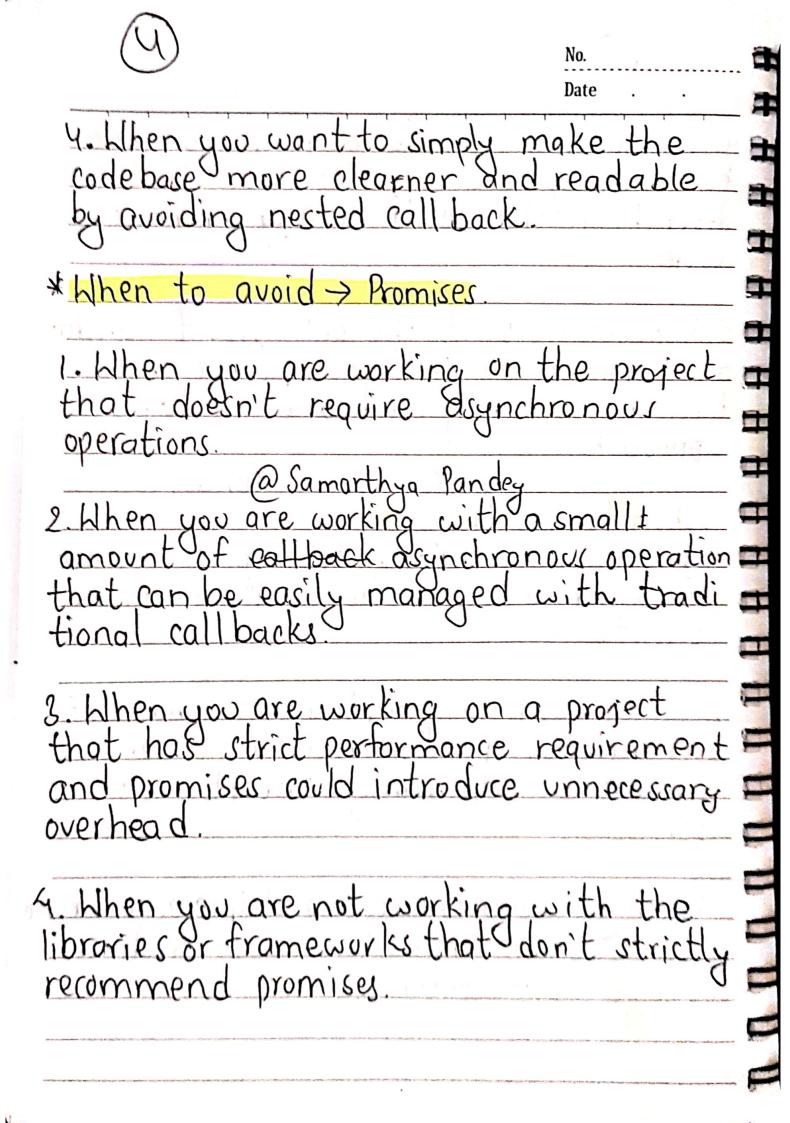
1 You ask your friend to give you a toy but your friend is not here right now.

Your friend promises to give you the toy when they came back ) This is like promise in Java Script.

In JavaScript, you can use Promises to ask the computer to do something like

Date load a picture or some text but it might take some time to get the information So the Promise is like a promise from the computer that it will give you the information when it is ready Just like your friend who promised to give you the toy, the Promise in Javascript can either keep the promise and give you the information or i can break the promise and give you 4 an error message instead T @ Somorthya Pandey So you can add some code to handle what happens if the promise fails Fun Facts About Promises. 1. Promises were introduced in ESG in 2015. 2. Promises can be in one of three states. i) Pending ii) Resolve d iii) Rejected 3. Promises can be chained together using then () method.

y. Promises help simplify asynchronous code by allowing you to write code that depends on the result of asynchronous 5. Promises are thot the only way to handle asynchronous code in Java Script, but they have been widely used and popular \_ approach @Samarthya Pandey hlhen to use 1. When you need to make a small number of asynchronous operation that are simple to manage 2. When you need to perform a sequence of asynchronous operation in certain order. Promises can help manage the flow of operations. 3. When you need to execute multiple asynchrono us operations in paraell, Promises can help to



Date Cade example: fe Here's a simple code example that uses Promises in JavaScript to fetch data from API Fetch C'http://jsonplaceholder.com/parts/1') · then (response => response. ison()) . then (data => console log (data)) · cotch (error =) console. log (error)); @ Samarthya Pandey In this example, we use the fetch () method to make a request to an API to get the dota about the post. The fetch() method returns a Promise that resolves to the Response object, which we can then use to extract the Json data He use 'then ()' method to handle the successful resolution of the Promise The first then () method taker the Response object and calls the 'ison()'