

Promises APIs

DIY - 27

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Problem Statement: This assignment is designed to strengthen your understanding of the Promise API in JavaScript. You will gain hands-on experience with creating promises, chaining them, and utilizing Promise.all, Promise.race, Promise.any, and Promise.allSettled.

Question 1: Write a function that uses **Promise.all** to fetch data from three different URLs (you can use

<https://jsonplaceholder.typicode.com/posts/1>,

<https://jsonplaceholder.typicode.com/posts/2>,

<https://jsonplaceholder.typicode.com/posts/3> as test URLs

) and logs the combined data to the console.

Question 2: Write a function that uses **Promise.race** with at least three promises that resolve after different delays. Log the result of the first promise to settle.

Question 3: Similar to *Question 2*, but use **Promise.any** and include a promise that rejects quickly. Observe and log which promise's result is handled.

Question 4: Use Promise.allSettled with the promises from *Question 3*. Log the results to understand how it differs from Promise.all and Promise.any.

Submission Guidelines

- Your submission should include a single .js file containing all the tasks.

- Include comments to separate and describe each task.
- Ensure your code is well-formatted and easy to read.

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