

week5 Session 5 Lab

Question 1: Write a function `fetchData()` that returns a Promise. The promise should resolve with the message "Data fetched successfully!" after 2 seconds. Create another function `displayData()` that calls `fetchData()` and logs the resolved value to the console.

Question 2: Create a Promise chain to simulate the following workflow:

- Fetch user data (resolves with "User data fetched" after 1 second).
- Process the user data (resolves with "User data processed" after 1 second).
- Save the processed data (resolves with "User data saved" after 1 second).

Write a function that implements this chain and logs each step's result to the console.

Question 3: Simulate fetching data from three different APIs. Write a function `fetchAPIs()` that returns a Promise using `Promise.all`. Each API simulation should resolve with a different message ("API 1 data", "API 2 data", "API 3 data") after 1 second. Log all the resolved results together.