

GIAIC
Thursday Morning 9 to 12
Assignment
Topic : Asynchronous

Question # 1

Write a simple asynchronous TypeScript function `fetchGreeting` that returns a greeting message after a 2-second delay using `setTimeout`.

Question # 2

Write a function `simulateTask` that simulates a task by logging "Task started", waits for 1 second, and then logs "Task completed". Use `setTimeout` for the delay.

Question # 3

Write a function `fetchData` that returns a Promise which resolves with the string "Data fetched successfully!" after a delay of 1 second.

Question # 4

Write a function `fetchWithError` that returns a Promise. It should randomly either resolve with "Data fetched successfully!" or reject with "Data fetch failed!" after a delay of 1 second. Handle the rejection using `.catch`

Question # 5

Write a function `executeSequentially` that executes two functions `fetchData` and `processData` sequentially using Promises, and logs the results in the order they are called.

