

Async and Await in JavaScript

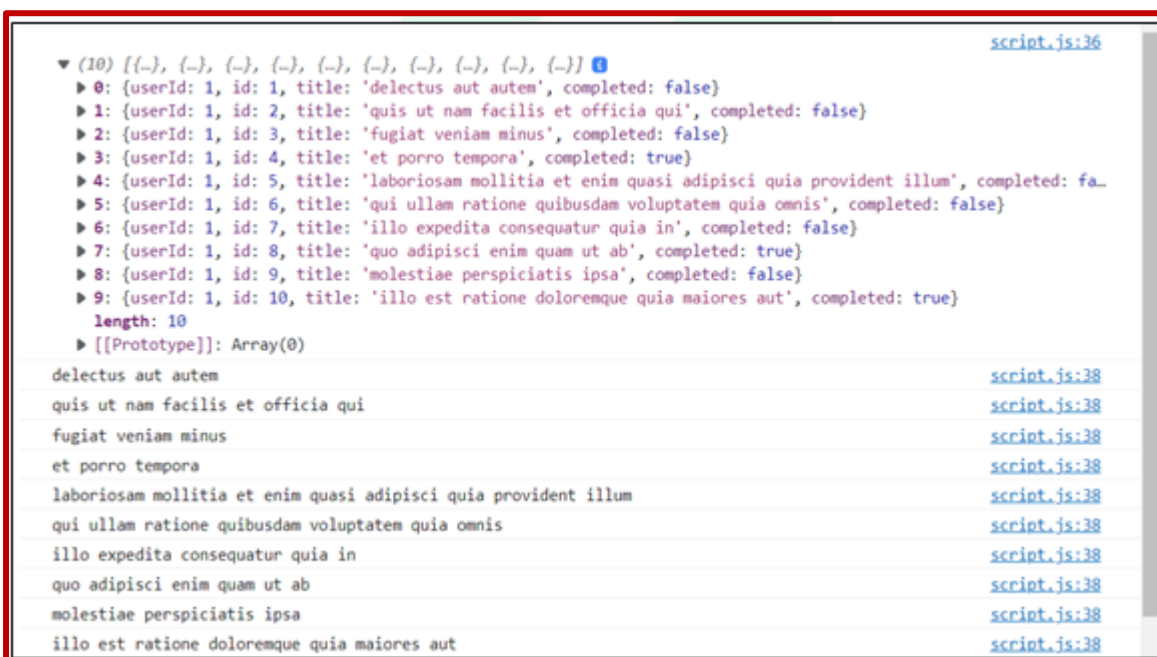
DIY - 28

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Problem Statement 1:

Create a function with `async` and `await` that calls another function that mimics the behavior of fetching data from the server using the `setTimeout` function and promises. Now loop through the data using the `map` method and print the title of each item.

The expected output is shown below.



```

▼ (10) [{-}, {-}, {-}, {-}, {-}, {-}, {-}, {-}, {-}, {-}] 0
  ▶ 0: {userId: 1, id: 1, title: 'delectus aut autem', completed: false}
  ▶ 1: {userId: 1, id: 2, title: 'quis ut nam facilis et officia qui', completed: false}
  ▶ 2: {userId: 1, id: 3, title: 'fugiat veniam minus', completed: false}
  ▶ 3: {userId: 1, id: 4, title: 'et porro tempora', completed: true}
  ▶ 4: {userId: 1, id: 5, title: 'laboriosam mollitia et enim quasi adipisci quia provident illum', completed: fa...
  ▶ 5: {userId: 1, id: 6, title: 'qui ullam ratione quibusdam voluptatem quia omnis', completed: false}
  ▶ 6: {userId: 1, id: 7, title: 'illo expedita consequatur quia in', completed: false}
  ▶ 7: {userId: 1, id: 8, title: 'quo adipisci enim quam ut ab', completed: true}
  ▶ 8: {userId: 1, id: 9, title: 'molestiae perspiciatis ipsa', completed: false}
  ▶ 9: {userId: 1, id: 10, title: 'illo est ratione doloremque quia maiores aut', completed: true}
  length: 10
  ▶ [[Prototype]]: Array(0)
delectus aut autem
quis ut nam facilis et officia qui
fugiat veniam minus
et porro tempora
laboriosam mollitia et enim quasi adipisci quia provident illum
qui ullam ratione quibusdam voluptatem quia omnis
illo expedita consequatur quia in
quo adipisci enim quam ut ab
molestiae perspiciatis ipsa
illo est ratione doloremque quia maiores aut
  
```

Problem Statement 2:

Create an `async` function named `'delayedGreeting'` that waits for a greeting `"Hello"` to be resolved after 3 seconds using `setTimeout`. The function should then return the greeting.

Log the following messages to the console: "Before execution" before calling the function, log the resolved greeting to understand the async function's execution flow, and "After execution" after calling it.

The expected output is shown below.

```
Console
"Before execution"
"After execution"
"Hello"
```

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