

Challenge 9

```
1)const apiEndpoint = "https://jsonplaceholder.typicode.com/users";

const getData = async () => {

  try {

    const res = await fetch(apiEndpoint);

    if (!res.ok) {

      throw new Error(`HTTP error! status: ${res.status}`);

    }

    const data = await res.json();

    console.log(data);

  } catch (error) {

    console.error("An error occurred:", error);

  }

};

getData();

2)async function waitAndReturnMessage(timeInMilliseconds, message) {

  return new Promise((resolve) => {

    setTimeout(() => {

      resolve(message);

    }, timeInMilliseconds);

  });

}
```

```
async function main() {  
  try {  
    const message = await waitAndReturnMessage(2000, "Message after 2 seconds");  
    console.log(message);  
  } catch (error) {  
    console.error("An error occurred:", error);  
  }  
}  
main();
```

```
3)function simulateAsyncOperation() {  
  return new Promise((resolve) => {  
    setTimeout(() => {  
      resolve("Promise resolved");  
    }, 2000);  
  });  
}  
async function waitForPromiseToResolve() {  
  try {  
    const result = await simulateAsyncOperation();  
    return result;  
  } catch (error) {  
    throw new Error(`An error occurred: ${error}`);  
  }  
}
```

```
async function main() {  
  try {  
    const result = await waitForPromiseToResolve();  
    console.log(result);  
  } catch (error) {  
    console.error(error);  
  }  
}  
main();
```