

Assignment 6

Question 1

Solution:

A web page with input textbox , button and a para to display the user name. The input textbox accepts the user id and displays the user name corresponding to that id.

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Assignment 6</title>

  <script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>

</head>

<body>

  <input type="number" id="uid" placeholder="Enter User ID" />

  <button id="btn1">Get User</button>

  <br>

  <p id="para">The username will be displayed here.</p>

  <script>

function getUser(id, callback) {

  axios.get(`https://jsonplaceholder.typicode.com/users/${id}`)

    .then(response => callback(null, response.data))

    .catch(error => callback(error, null));

}
```

```
document.getElementById("btn1").addEventListener("click", function() {

    const userId = document.getElementById("uid").value;

    if (!userId) {

        alert("Please enter a user ID");

        return;

    }

    getUser(userId, function(err, user) {

        if (err) {

            console.error("Error:", err.message);

        } else {

            console.log("User name:", user.name);

        }

        document.getElementById("para").innerHTML = ("The user id is:" + user.name);

    });

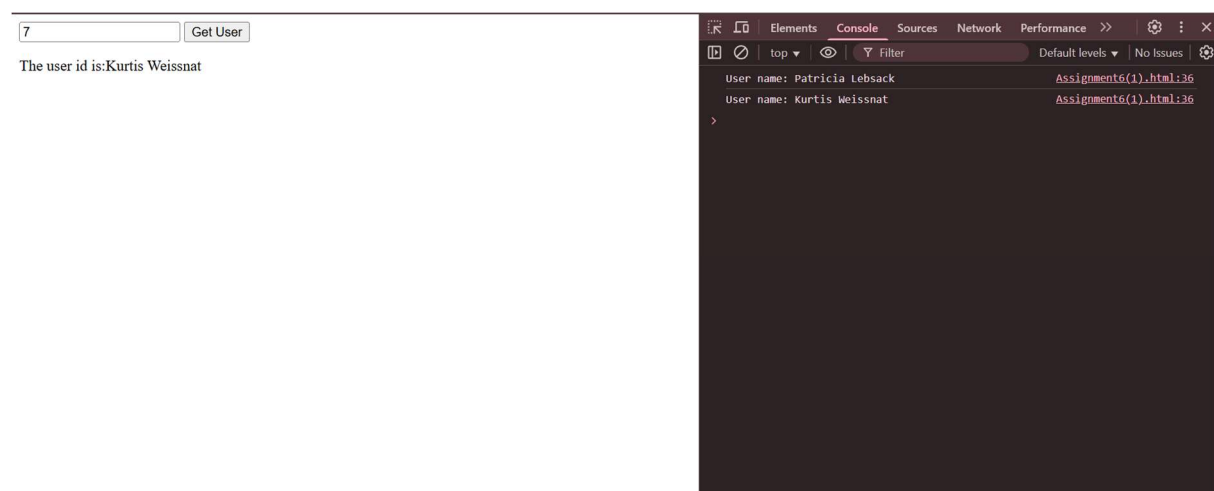
});

</script>

</body>

</html>
```

Snapshot :



Chained promise:

Code :

```
function getUser(id) {
  return axios.get(`https://jsonplaceholder.typicode.com/users/${id}`);
}

function getPostsByUser(userId) {
  return axios.get(`https://jsonplaceholder.typicode.com/posts?userId=${userId}`);
}

document.getElementById("btn1").addEventListener("click", function() {
  const userId1 = document.getElementById("uid").value;

  if (!userId1) {
    alert("Please enter a user ID");
    return;
  }

  getUser(userId1)
    .then(response => {
      const user = response.data;
      console.log("User:", user.name);
      document.getElementById("para").innerHTML = ("The user name is:" + user.name);
      return getPostsByUser(user.id);
    })
    .then(response => {
      const posts = response.data;
      if (posts.length > 0) {
```

```

        console.log("First Post Title:", posts[0].title);

        document.getElementById("para1").innerHTML=("First post title:"+posts[0].title);
    } else {

        console.log("No posts found for this user.");

    }
})

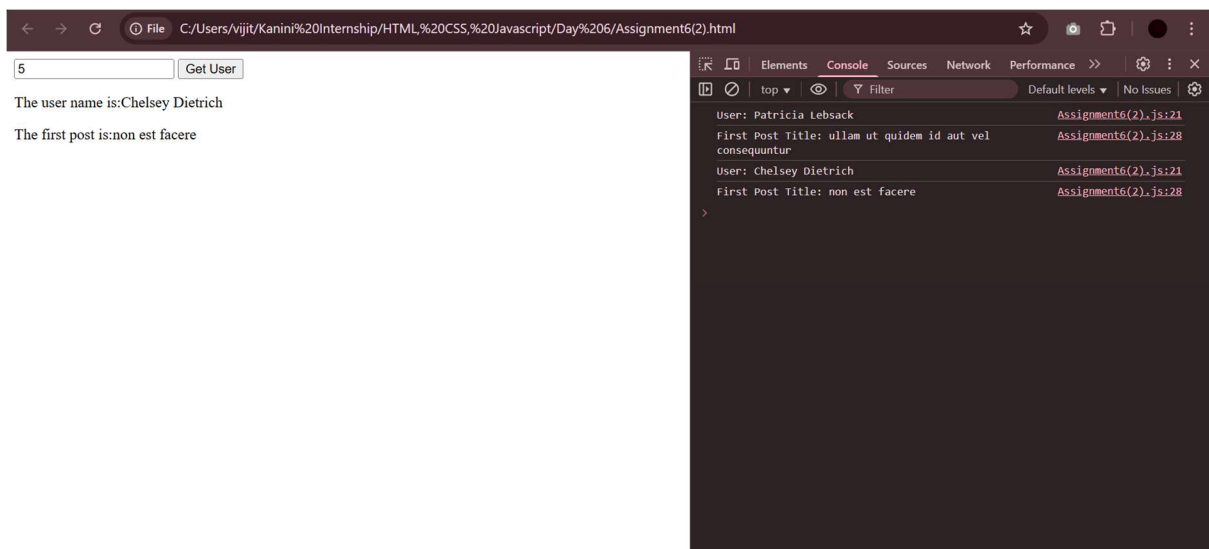
.catch(error => {

    console.error("Error:", error.message);

});

});

```



Promise code converted to async/await

Code :

```
//
```

```
const axiosreq = require('axios')
```

```
async function fetchUserdata(){
```

```

try{

const response = await axiosreq.get('https://jsonplaceholder.typicode.com/todos');

    const todos = response.data;

    console.log("Todos List");

    todos.forEach(todo=>{

console.log(` Todo ID: ${todo.id}, Title: ${todo.title}, Completed: ${todo.completed}`);

    });
}

catch(err){

    console.log(err);

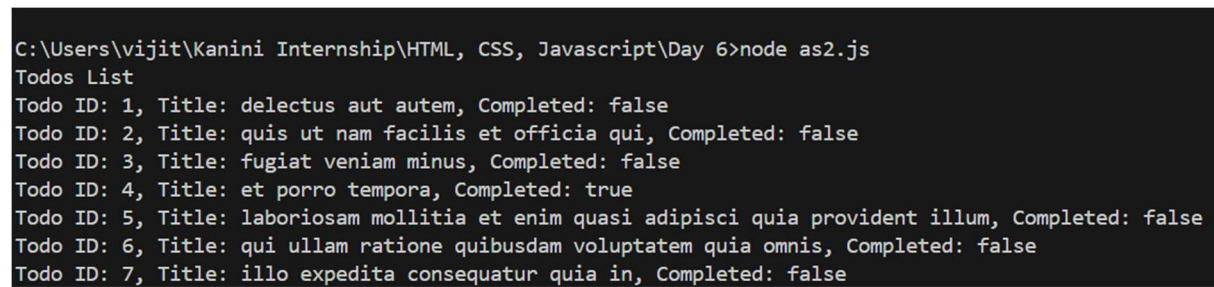
}

}

fetchUserdata();

```

Snapshot:



```

C:\Users\vijit\Kanini Internship\HTML, CSS, Javascript\Day 6>node as2.js
Todos List
Todo ID: 1, Title: delectus aut autem, Completed: false
Todo ID: 2, Title: quis ut nam facilis et officia qui, Completed: false
Todo ID: 3, Title: fugiat veniam minus, Completed: false
Todo ID: 4, Title: et porro tempora, Completed: true
Todo ID: 5, Title: laboriosam mollitia et enim quasi adipisci quia provident illum, Completed: false
Todo ID: 6, Title: qui ullam ratione quibusdam voluptatem quia omnis, Completed: false
Todo ID: 7, Title: illo expedita consequatur quia in, Completed: false

```

Creating own promise that accepts only even numbers

Code:

```

const readline = require('readline');

const rl = readline.createInterface({

    input: process.stdin,

```

```
    output: process.stdout
  });
function fetchData(num) {
  return new Promise(function(resolve, reject) {
    setTimeout(() => {
      if(num%2===0){
        resolve(num);

      }
      reject("Error: Only even numbers are accepted!");
    }, 2000);
  });
}
rl.question("Enter a number: ", function(input) {
  const userInput = Number(input);

  fetchData(userInput)
    .then(function(userInput) {
      console.log("Number Accepted");
    })
    .catch(function(err) {
      console.log(err);
    })
    .finally(() => {
      rl.close();
    });
});
```

Snapshot:

```
C:\Users\vijit\Kanini Internship\HTML, CSS, Javascript\Day 6>node practprom1.js
Enter a number: 9
Error: Only even numbers are accepted!

C:\Users\vijit\Kanini Internship\HTML, CSS, Javascript\Day 6>node practprom1.js
Enter a number: 4
Number Accepted

C:\Users\vijit\Kanini Internship\HTML, CSS, Javascript\Day 6>
```