TASK 1:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
<body>
   <script>
       let n = 5;
    function fact(n) {
       if(n==0 || n==1)
       return 1;
      else{
       return n* fact(n -1);
       document.writeln("Factorial of "+ n +":"+ fact(n));
    </script>
</body>
</html>
```

OUTPUT:



Factorial of 5:120

TASK 2:

```
let n=7;
  function fibannoci(n) {
    if(n <=1)
    {
     return n;
    }
    else{
     return fibannoci(n-1) + fibannoci (n-2);
    }
  }
  document.writeln("Fibannoci of "+ n +" is :"+ fibannoci(n));
  </script>
  </body>
  </html>
```



Fibannoci of 7 is:13

TASK 3:

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
    let n= 4;
     function ways(n) {
        if(n < 0)
        return 0;
       if(n == 0)
        return 1;
       else{
       return ways(n-1) + ways(n-2) + ways(n-3);
```

```
}
    document.writeln("Total no of ways of "+ n +" is :"+ ways(n));
    </script>
</body>
</html>
```



Total no of ways of 4 is:7

TASK 4:

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
     function flatten(n)
        let result= [];
     for(let i = 0; i< n.length;i++)</pre>
       if(Array.isArray(n[i]))
        result = result.concat(flatten(n[i]));
     else
        result.push(n[i]);
     return result;
       const n = [1,2,[3,4],5,[6,7,8],9,10];
      document.writeln("The flattened array of "+ JSON.stringify(n)+" is :"+
JSON.stringify(flatten(n)));
    </script>
</body>
</html>
```

```
← → C sile:///C:/Users/student/Desktop/P330/Task%2030.htm
```

The flattened array of [1,2,[3,4],5,[6,7,8],9,10] is :[1,2,3,4,5,6,7,8,9,10]

TASK 5:

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
    function towerOfHanoi(n, source, destination, auxiliary) {
        if (n === 1) {
        console.log(`Move disk 1 from ${source} to ${destination}`);
        return;
    towerOfHanoi(n - 1, source, auxiliary, destination);
    console.log(`Move disk ${n} from ${source} to ${destination}`);
    towerOfHanoi(n - 1, auxiliary, destination, source);
let numDisks = 3;
towerOfHanoi(numDisks, 'A', 'C', 'B');
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Move disk 1 from A to C

Move disk 2 from A to B

Move disk 1 from C to B

Move disk 3 from A to C

Move disk 1 from B to A

Move disk 2 from B to C

Move disk 1 from A to C
```

TASK 6:

OUTPUT:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

10
30
```

TASK 7:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <script>
     function sumNumbers(...numbers) {
    return numbers.reduce((acc, num) => acc + num, 0);
const arr = [1, 2, 3, 4, 5];
console.log(sumNumbers(...arr));
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

15
```

TASK 8:

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <script>
        function deepClone(obj) {
    return JSON.parse(JSON.stringify(obj));
const original = {
   name: "John",
    address: { street: "123 Main St",
    city: "New York" }
const cloned = deepClone(original);
cloned.address.city = "Los Angeles";
console.log(original.address.city);
console.log(cloned.address.city);
    </script>
</body>
</html>
```

OUTPUT:

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> TERMINAL PORTS

New York
Los Angeles
```

TASK 9:

```
<!DOCTYPE html>
<html lang="en">
```

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> TERMINAL PORTS
> {name: 'Alice', age: 25, job: 'Engineer', city: 'Berlin'}
```

TASK 10:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
const person = {
  name: "Alice",
  age: 25,
  city: "New York"
const jsonString = JSON.stringify(person);
console.log(jsonString);
const parsedObject = JSON.parse(jsonString);
```

```
console.log(parsedObject);
     </script>
     </body>
     </html>
```

TASK 11:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
    function outerFunction() {
  let counter = 0;
 return function innerFunction() {
    counter++;
    console.log(counter);
  };
const increment = outerFunction();
increment();
increment();
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE

1
2
```

TASK 12:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
    function createCounter() {
  let count = 0;
  return {
    increment: function() {
      count++;
     console.log(count);
    getCount: function() {
      return count;
 };
const counter = createCounter();
counter.increment();
counter.increment();
console.log(counter.getCount());
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE

1
2
2
```

TASK 13:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <script>
   function createCounter() {
  let count = 0;
  return function() {
    count++;
   return count;
 };
const counter1 = createCounter();
const counter2 = createCounter();
console.log(counter1());
console.log(counter1());
console.log(counter2());
console.log(counter2());
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE

1
2
1
2
```

TASK 14:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
<body>
   <script>
 function createCounter() {
 let count = 0;
  return {
    increment: function() {
      count++;
      console.log(count);
    },
   decrement: function() {
      count--;
      console.log(count);
    },
    getCount: function() {
      return count;
  };
const counter = createCounter();
counter.increment();
counter.increment();
counter.decrement();
console.log(counter.count);
console.log(counter.getCount());
   </script>
```

```
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

1
2
1
undefined
1
```

TASK 15:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
   function functionFactory(prefix) {
  return function(name) {
    console.log(`${prefix} ${name}`);
  };
const greet = functionFactory("Hello");
greet("Alice");
const warn = functionFactory("Warning");
warn("This action is not allowed");
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> ...

Hello Alice
Warning This action is not allowed
```

TASK 16:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
  function greetAfter(seconds) {
  return new Promise((resolve) => {
    setTimeout(() => {
      resolve("Hello! Time's up.");
    }, seconds * 1000);
  });
greetAfter(3).then((message) => {
  console.log(message);
});
    </script>
</body>
</html>
```

OUTPUT:

```
PROBLEMS OUTPUT DEBUG CONSOLE
Hello! Time's up.
```

TASK 17:

```
<title>Document</title>
</head>
<body>
   <script>
fetch('https://jsonplaceholder.typicode.com/users')
  .then(response => {
    if (!response.ok) {
     throw new Error('Failed to fetch data');
   return response.json();
  })
  .then(users => {
   const userNames = users.map(user => user.name);
    return userNames;
  })
  .then(userNames => {
    console.log('User names:', userNames);
  })
  .catch(error => {
   console.error('Error:', error);
 });
   </script>
</body>
</html>
```



TASK 18:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
  function randomOutcome() {
  return new Promise((resolve, reject) => {
    const randomNum = Math.random();
    if (randomNum > 0.5) {
      resolve("The promise was resolved!");
    } else {
      reject("The promise was rejected!");
  });
randomOutcome()
  .then((message) => {
    console.log(message);
  })
  .catch((message) => {
    console.log(message);
  });
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE ...

The promise was resolved!
```

TASK 19:

```
return new Promise((resolve) => {
    setTimeout(() => {
      resolve({ userId: 1, name: "Alice" });
    }, 1000);
  });
function fetchPostData() {
  return new Promise((resolve) => {
    setTimeout(() => {
      resolve({ postId: 101, title: "My first post" });
    }, 1500);
  });
Promise.all([fetchUserData(), fetchPostData()])
  .then((results) => {
    const [userData, postData] = results;
    console.log("User Data:", userData);
    console.log("Post Data:", postData);
  })
  .catch((error) => {
    console.error("Error:", error);
  });
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> ... Filter (e.g. text, !excl
> User Data: {userId: 1, name: 'Alice'}
> Post Data: {postId: 101, title: 'My first post'}
```

TASK 20:

```
<body>
    <script>
  function stepOne() {
  return new Promise((resolve) => {
    setTimeout(() => {
      console.log("Step One completed.");
      resolve("Step One");
    }, 1000);
  });
function stepTwo(previousStep) {
  return new Promise((resolve) => {
    setTimeout(() => {
      console.log(`${previousStep} completed. Step Two completed.`);
      resolve("Step Two");
    }, 1000);
  });
function stepThree(previousStep) {
  return new Promise((resolve) => {
    setTimeout(() => {
      console.log(`${previousStep} completed. Step Three completed.`);
      resolve("Step Three");
    }, 1000);
  });
stepOne()
  .then((result) => {
    return stepTwo(result);
  })
  .then((result) => {
    return stepThree(result);
  })
  .then((finalResult) => {
    console.log(`${finalResult} completed. All steps finished.`);
  })
  .catch((error) => {
    console.error("Error during the process:", error);
  });
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE ... Filter (e.g. text, Step One completed.
Step One completed. Step Two completed.
Step Two completed. Step Three completed.
Step Three completed. All steps finished.
```

TASK 21:

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
  async function fetchData() {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      resolve(" data fetched");
    }, 1000);
  });
async function getData() {
  try{
     const response = await fetchData();
        console.log(response);
    catch(error) {
        console.error(error);
getData();
    </script>
</body>
</html>
```

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> TERMINAL PORTS

data fetched
```

TASK 22:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
<body>
   <script>
 async function fetchAndProcessData() {
 try {
    const response = await fetch('https://jsonplaceholder.typicode.com/posts');
    if (!response.ok) {
      throw new Error('Failed to fetch data');
    const data = await response.json();
    console.log('First Post:', data[0]);
 } catch (error) {
    console.error('Error fetching data:', error);
fetchAndProcessData();
    </script>
</body>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

First Post: {userId: 1, id: 1, title: 'sunt aut facere repellat provident occaecati excepturi optio reprehenderit', body: 'quia et suscipit suscipit recusandae consequun...m rerum est autem sunt rem eveniet architecto'}
```

TASK 23:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
 async function fetchDataWithErrorHandling() {
    const response = await fetch('https://jsonplaceholder.typicode.com/posts');
    if (!response.ok) {
      throw new Error('Failed to fetch data');
   const data = await response.json();
    console.log('Fetched Data:', data);
 } catch (error) {
    console.error('Error occurred:', error.message);
fetchDataWithErrorHandling();
    </script>
</body>
</html>
```

OUTPUT:

```
Elements Console Sources Network Performance >> ② : >

Default levels ▼ No Issues ②

Fetched Data: ► Array(100)

Task 30.html:21
```

TASK 24:

```
</head>
<body>
    <script>
 async function fetchMultipleData() {
 try {
    const [users, posts] = await Promise.all([
      fetch('https://jsonplaceholder.typicode.com/users').then(response =>
response.json()),
      fetch('https://jsonplaceholder.typicode.com/posts').then(response =>
response.json())
    ]);
    console.log('Users:', users);
    console.log('Posts:', posts);
  } catch (error) {
    console.error('Error fetching multiple data:', error.message);
fetchMultipleData();
    </script>
</body>
</html>
```

TASK 25:

```
async function waitForAllOperations() {
 try {
    const task1 = new Promise(resolve => setTimeout(() => resolve('Task 1
completed'), 1000));
    const task2 = new Promise(resolve => setTimeout(() => resolve('Task 2
completed'), 2000));
    const task3 = new Promise(resolve => setTimeout(() => resolve('Task 3
completed'), 3000));
    const results = await Promise.all([task1, task2, task3]);
    console.log('All tasks completed:', results);
 } catch (error) {
    console.error('Error occurred while waiting for tasks:', error.message);
waitForAllOperations();
   </script>
</body>
</html>
```

```
PROBLEMS OUTPUT <u>DEBUG CONSOLE</u> TERMINAL PORTS

> All tasks completed: (3) ['Task 1 completed', 'Task 2 completed', 'Task 3 completed']
```

TASK 26:

```
export function add(a, b) {
    return a + b;
}
export class Person {
    constructor(name, age) {
        this.name = name;
        this.age = age;
    }
    greet() {
        return `Hello, my name is ${this.name} and I am ${this.age} years old.`;
    }
}
export const currentYear = new Date().getFullYear();
```

```
import { add, Person, currentYear } from './myModule.js';

const result = add(10, 20);
  console.log(`The result of adding 10 and 20 is: ${result}`);

const person = new Person('Alice', 30);
  console.log(person.greet());

console.log(`The current year is: ${currentYear}`);
```

```
The result of adding 10 and 20 is: 30 <a href="mailto:app.js:11">app.js:11</a>
Hello, my name is Alice and I am 30 years old. <a href="mailto:app.js:15">app.js:15</a>
The current year is: 2024 <a href="mailto:app.js:18">app.js:18</a>
```

TASK 27:

```
export function add(a, b) {
    return a + b;
}

export function subtract(a, b) {
    return a - b;
}

export function multiply(a, b) {
    return a * b;
}
```

```
    export function divide(a, b) {
        if (b === 0) {
            throw new Error('Cannot divide by zero');
        }
        return a / b;
    }
    import { add, subtract, multiply, divide } from './mathUtils.js';

const num1 = 20;
const num2 = 10;

console.log('Addition:', add(num1, num2));
console.log('Subtraction:', subtract(num1, num2));
console.log('Multiplication:', multiply(num1, num2));
console.log('Division:', divide(num1, num2));
```

```
        Addition: 30
        app.js:10

        Subtraction: 10
        app.js:11

        Multiplication: 200
        app.js:12

        Division: 2
        app.js:13
```

TASK 28:

```
export function add(a, b) {
  return a + b;
```

```
export function subtract(a, b) {
  return a - b;
}

export function multiply(a, b) {
  return a * b;
}

export function divide(a, b) {
  if (b === 0) {
    return 'Error: Cannot divide by zero';
  }
  return a / b;
}
```

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Named Exports Example</title>
 <script type="module">
   import { add, subtract, multiply, divide } from './mathUtils.js';
   function displayResult(operation, result) {
     const resultElement = document.getElementById('result');
     resultElement.innerHTML = `${operation}: ${result}`;
   document.getElementById('addButton').addEventListener('click', () => {
     const result = add(5, 3);
     displayResult('Addition', result);
   });
   document.getElementById('subtractButton').addEventListener('click', () => {
     const result = subtract(9, 4);
     displayResult('Subtraction', result);
   });
   document.getElementById('multiplyButton').addEventListener('click', () => {
     const result = multiply(6, 7);
     displayResult('Multiplication', result);
```

```
document.getElementById('divideButton').addEventListener('click', () => {
    const result = divide(8, 2);
    displayResult('Division', result);
    });
    </script>
</head>
</body>
    <h1>Math Operations</h1>

    <button id="addButton">Add</button>
    <button id="subtractButton">Subtract</button>
    <button id="multiplyButton">Multiply</button>
    <button id="divideButton">Divide</button>
    <button id="divideButton">Divide</button>
    <button id="divideButton">Divide</button>
</button id="result">Result will be displayed here.</button>
</button</br>
```

Math Operations



Result will be displayed here.

Math Operations



Subtraction: 5

```
export function add(a, b) {
    return a + b;
}
export function subtract(a, b) {
    return a - b;
}
export function multiply(a, b) {
    return a * b;
}
export function divide(a, b) {
    if (b === 0) {
        return 'Cannot divide by zero';
    }
    return a / b;
}
```

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Named Import Example</title>
</head>
<body>
 <h1>Math Operations</h1>
  <button id="addButton">Add</putton>
  <button id="multiplyButton">Multiply</button>
  <script type="module">
    import { add, multiply } from './mathFunctions.js';
    const addButton = document.getElementById('addButton');
    const multiplyButton = document.getElementById('multiplyButton');
   addButton.addEventListener('click', () => {
      const result = add(5, 3);
      alert(`5 + 3 = ${result}`);
    });
   multiplyButton.addEventListener('click', () => {
      const result = multiply(5, 3);
      alert(`5 * 3 = ${result}`);
    });
 </script>
/body>
```

OUTPUT: 127.0.0.1:5500 says 5 * 3 = 15 Add Multiply

TASK 30:

```
function greet(name) {
    return `Hello, ${name}! Welcome to our site.`;
}
export default greet;
```

```
<!DOCTYPE html>
<html lang="en">
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Default Export & Import Example</title>
</head>
<body>
 <h1>Click to Greet</h1>
  <button id="greetButton">Click to Greet</button>
 <script type="module">
    import greet from './greet.js';
   const greetButton = document.getElementById('greetButton');
   greetButton.addEventListener('click', () => {
       const message = greet('Alice');
      alert(message);
    });
  </script>
</body>
```

TASK 31:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Manipulation Tasks</title>
</head>
<body>
    <h1 id="greeting">Hello, World!</h1>
    <button onclick="changeContent()">Change Greeting</button>
    <button id="alertButton">Click Me!</button>
    <button onclick="addNewElement()">Add New Paragraph</button>
    <br><br><br>>
    <div id="toggleDiv">
        This is a toggleable content section.
    </div>
    <button onclick="toggleVisibility()">Toggle Visibility</button>
    <br><br><br>></pr>
    <img id="myImage" src="christmas.jpg" alt="Placeholder Image" width="250p">
    <br>
    <button onclick="changeImageAttributes()">Change Image Attributes</button>
    <script>
        function changeContent() {
            const greeting = document.getElementById("greeting");
            greeting.textContent = "Hello, JavaScript!";
        const alertButton = document.getElementById("alertButton");
        alertButton.addEventListener("click", function() {
            alert("Button was clicked!");
        });
        function addNewElement() {
```

```
const newParagraph = document.createElement("p");
            newParagraph.textContent = "This is a newly added paragraph!";
            document.body.appendChild(newParagraph);
        function toggleVisibility() {
            const div = document.getElementById("toggleDiv");
            if (div.style.display === "none") {
                div.style.display = "block";
            } else {
                div.style.display = "none";
        function changeImageAttributes() {
            const image = document.getElementById("myImage");
            image.src = "usgs-eAGoXRFiysw-unsplash.jpg";
            image.alt = "Updated Image";
    </script>
</body>
</html>
```



Hello, World!

Change Greeting

Click Me!

Add New Paragraph

This is a toggleable content section.

Toggle Visibility

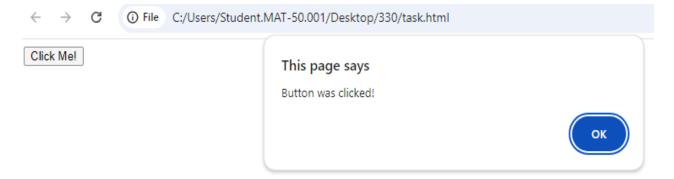


Change Image Attributes

TASK 32:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Event Listener Example</title>
<body>
    <button id="actionButton">Click Me!</button>
    <script>
        const button = document.getElementById("actionButton");
        button.addEventListener("click", function() {
            alert("Button was clicked!");
       });
   </script>
</body>
</html>
```

OUTPUT:



TASK 33:



The quick brown fox jumps over the lazy dog.

The quick brown fox jumps over the lazy dog.

The quick brown fox jumps over the lazy dog.

The quick brown fox jumps over the lazy dog.

TASK 34:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Toggle Visibility Example</title>
   <style>
        .hidden {
           display: none;
   </style>
</head>
<body>
   <button onclick="toggleVisibility()">Toggle Element</button>
   <div id="myElement">
       This is a toggleable element!
   </div>
   <script>
       function toggleVisibility() {
```

```
var element = document.getElementById('myElement');
    element.classList.toggle('hidden');
}
</script>
</body>
</html>
```

← → C ⑤ File C:/Users/student/Desktop/330

Toggle Element

This is a toggleable element!

TASK 35:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DOM Attribute Example</title>
</head>
<body>
    <h2>Image and Link Example</h2>
   <img id="myImage" src="Image1.jpg" alt="Image 1">
    <br>
    <a id="myLink" href="https://example.com" target="_blank">Go to Example</a>
    <button onclick="modifyAttributes()">Modify Attributes/button>
    <script>
        function modifyAttributes() {
            var imgElement = document.getElementById('myImage');
            var linkElement = document.getElementById('myLink');
            console.log('Current Image Source: ',
imgElement.getAttribute('src'));
            imgElement.setAttribute('src', 'images.jpg');
            console.log('New Image Source: ', imgElement.getAttribute('src'));
            console.log('Current Link Href: ', linkElement.getAttribute('href'));
            linkElement.setAttribute('href', 'https://openai.com');
```

```
console.log('New Link Href: ', linkElement.getAttribute('href'));
</body>
</html>
OUTPUT:
```



Image and Link Example



Go to Example | Modify Attributes



Image and Link Example



Go to Example Modify Attributes

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Current Image Source: Image1.jpg

New Image Source: images.jpg

Current Link Href: https://example.com

New Link Href: https://openai.com