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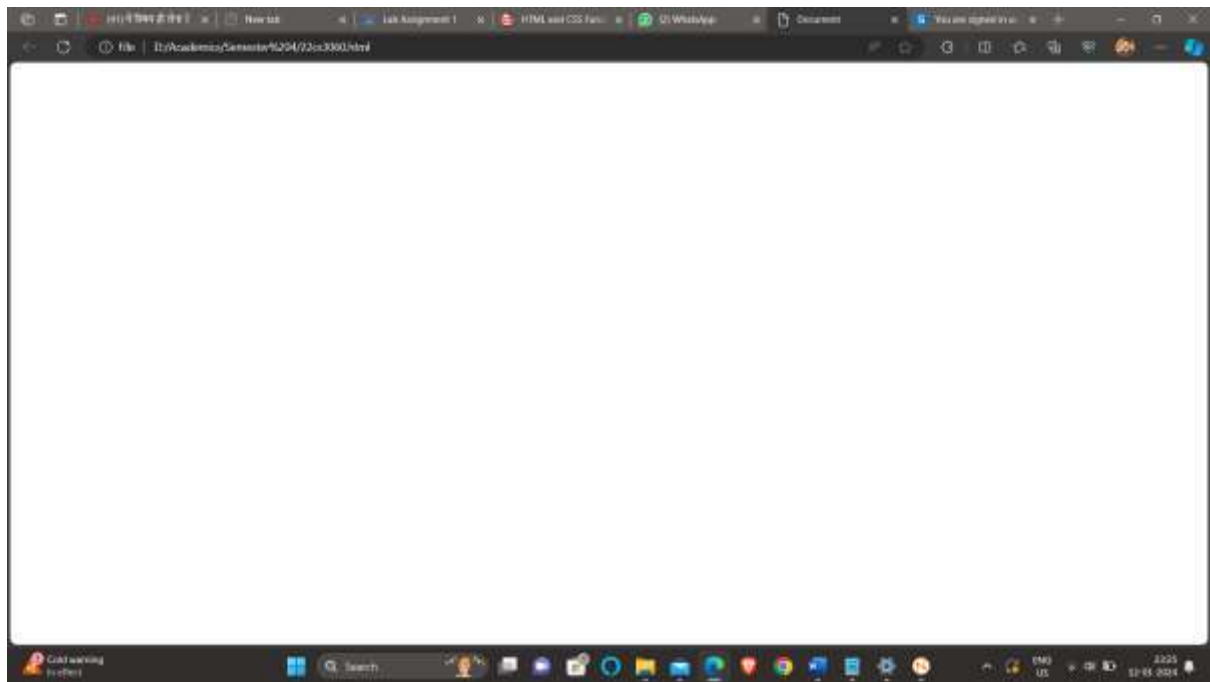
## **Lab Assignment - 1**

### **Example 1**

#### **Code :**

```
<!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>
  <!-- Content goes here -->
</body>
</html>
```

#### **Output :**



## Example 2

### Code :

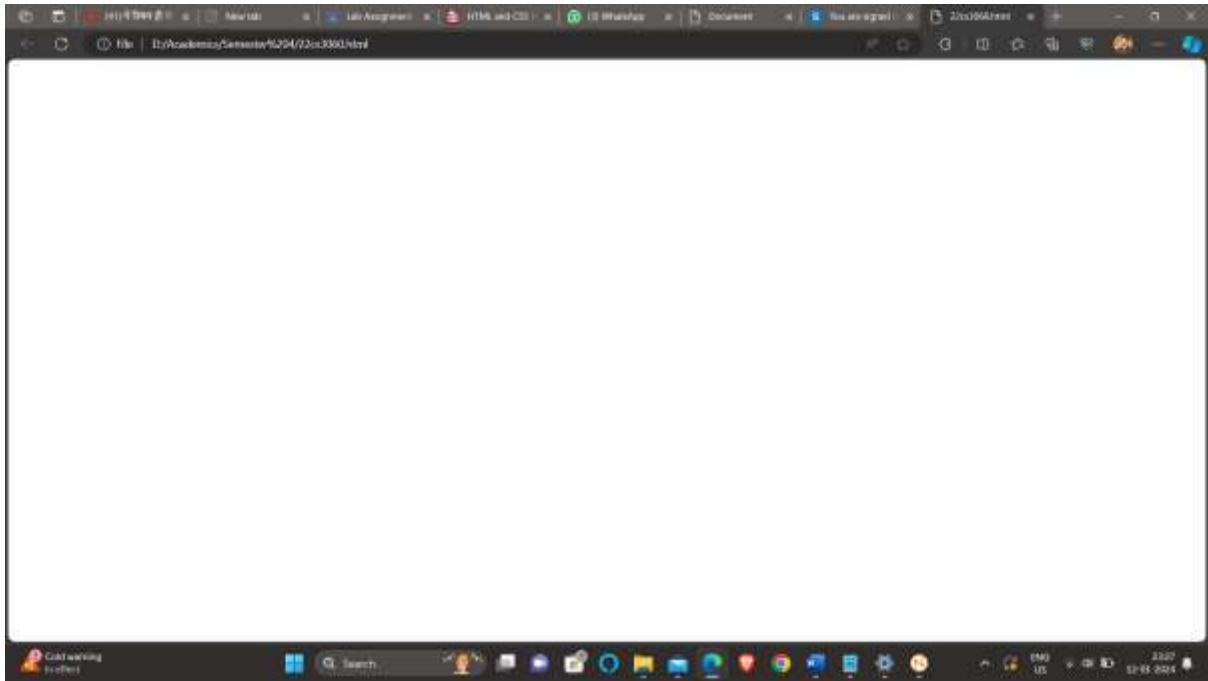
<!-- HTML4: Explicit closing tags -->

<meta charset="UTF-8"></meta>

<!-- HTML5: Omitted closing tags for void elements -->

<meta charset="UTF-8">

### Output :



## Example 3

### Code :

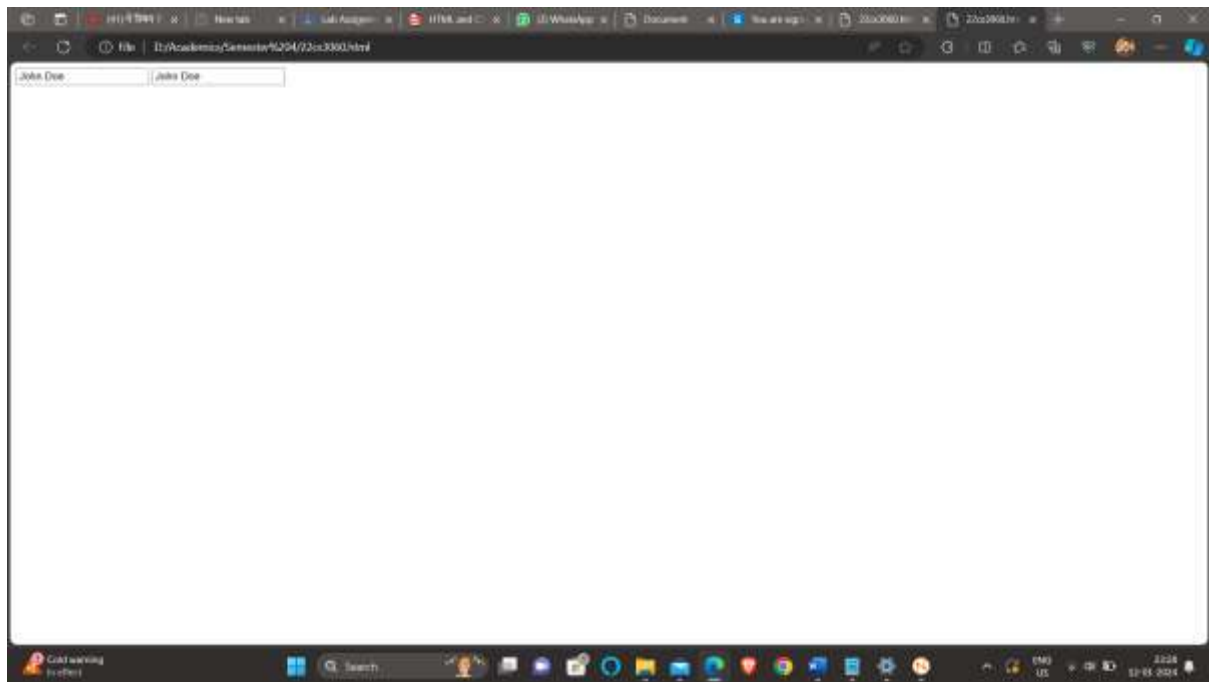
<!-- HTML4: Quotation required -->

```
<input type="text" name="username" value="John Doe">
```

<!-- HTML5: Quotation optional for certain values -->

```
<input type=text name=username value="John Doe">
```

### Output :



## Example 4

### Code :

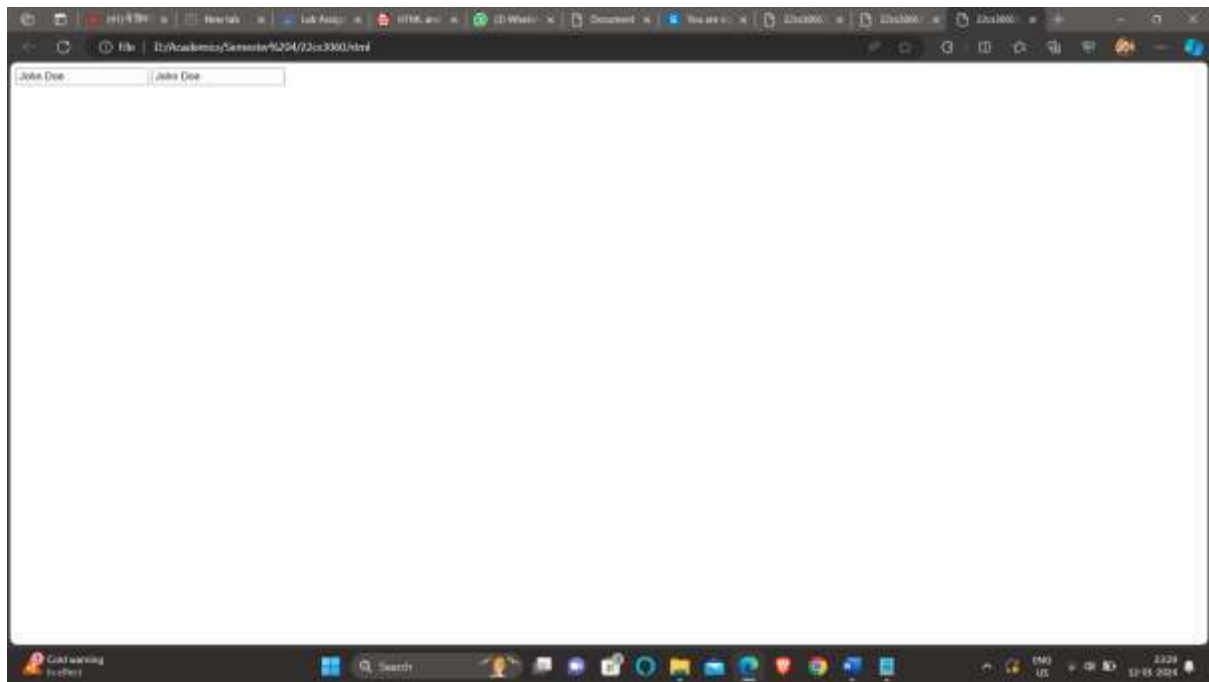
<!-- HTML4 and XHTML: Case-sensitive -->

```
<input Type="text" Name="username" Value="John Doe">
```

<!-- HTML5: Case-insensitive -->

```
<input type="text" name="username" value="John Doe">
```

### Output :



## Example 5

### Code :

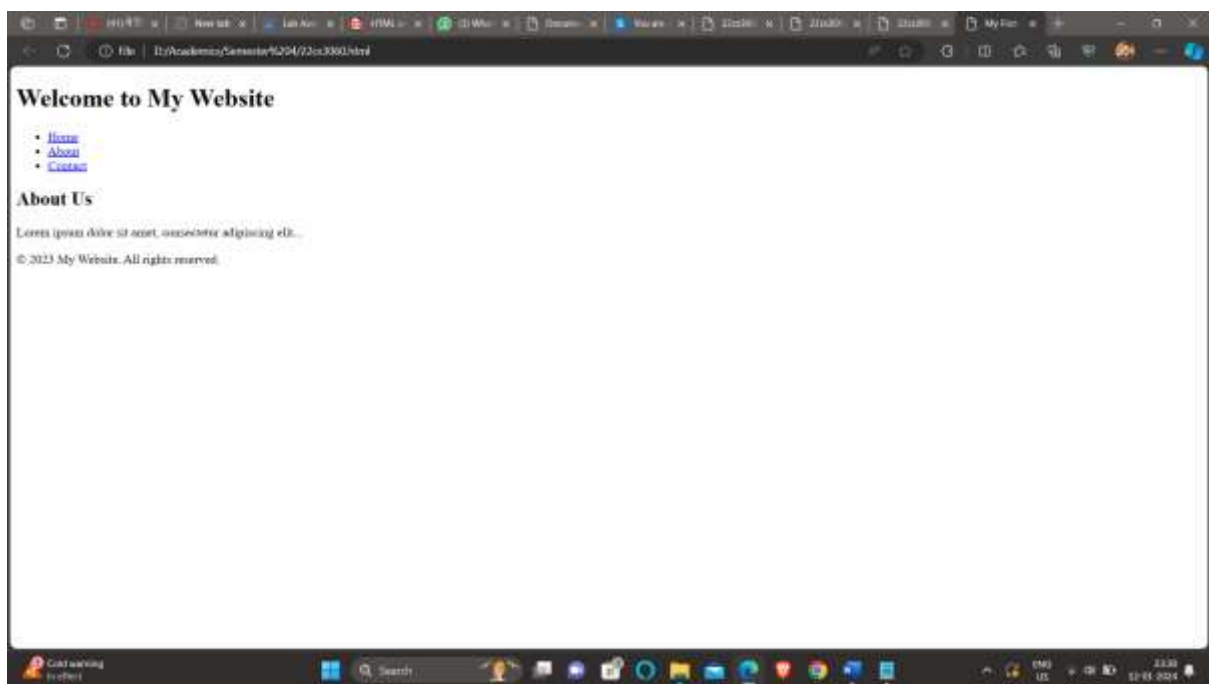
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My First HTML5 Page</title>
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
  </header>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#contact">Contact</a></li>
```

```

</ul>
</nav>
<section>
<h2>About Us</h2>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit...</p>
</section>
<footer>
<p>&copy; 2023 My Website. All rights reserved.</p>
</footer>
</body>
</html>

```

## **Output :**



## **Example 6**

### **Code :**

```

<!-- Document Language -->
<meta http-equiv="Content-Language" content="en">
<!-- Character Set for Forms -->
<meta http-equiv="Accept-Charset" content="UTF-8">

```

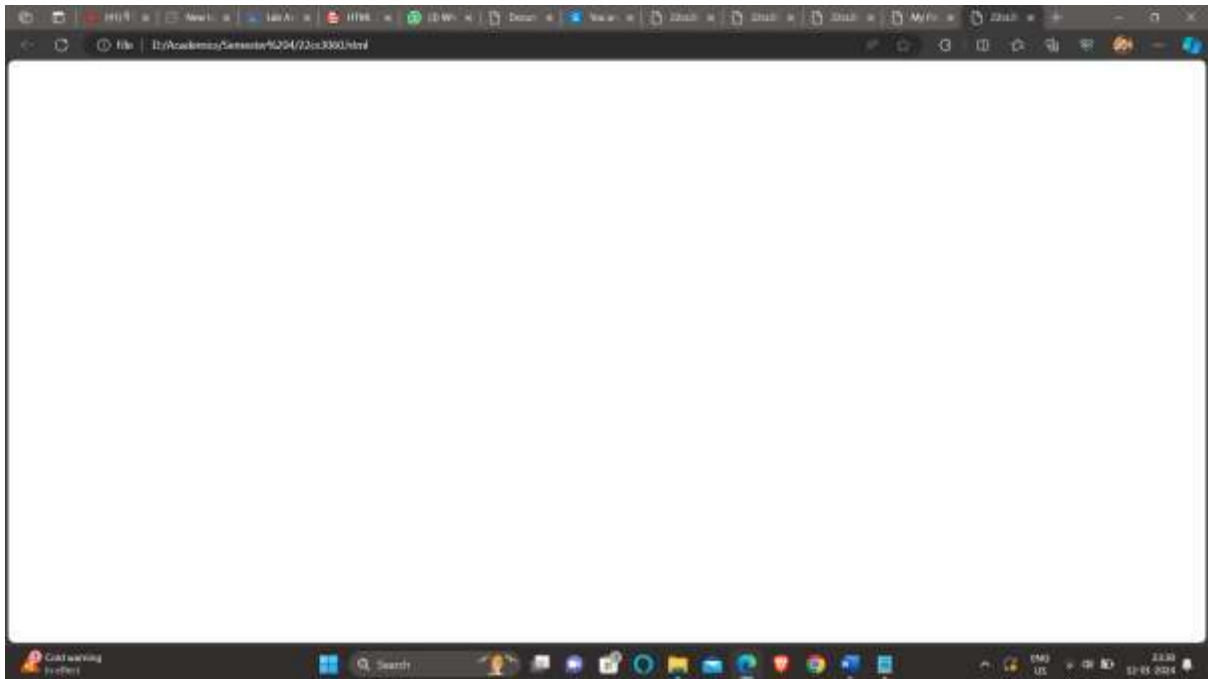
```
<!-- Prevent Search Engine Indexing -->
```

```
<meta name="robots" content="index, follow">
```

```
<!-- Author Meta Tag -->
```

```
<meta name="author" content="John Doe">
```

## **Output :**



## **Example 7**

### **Code :**

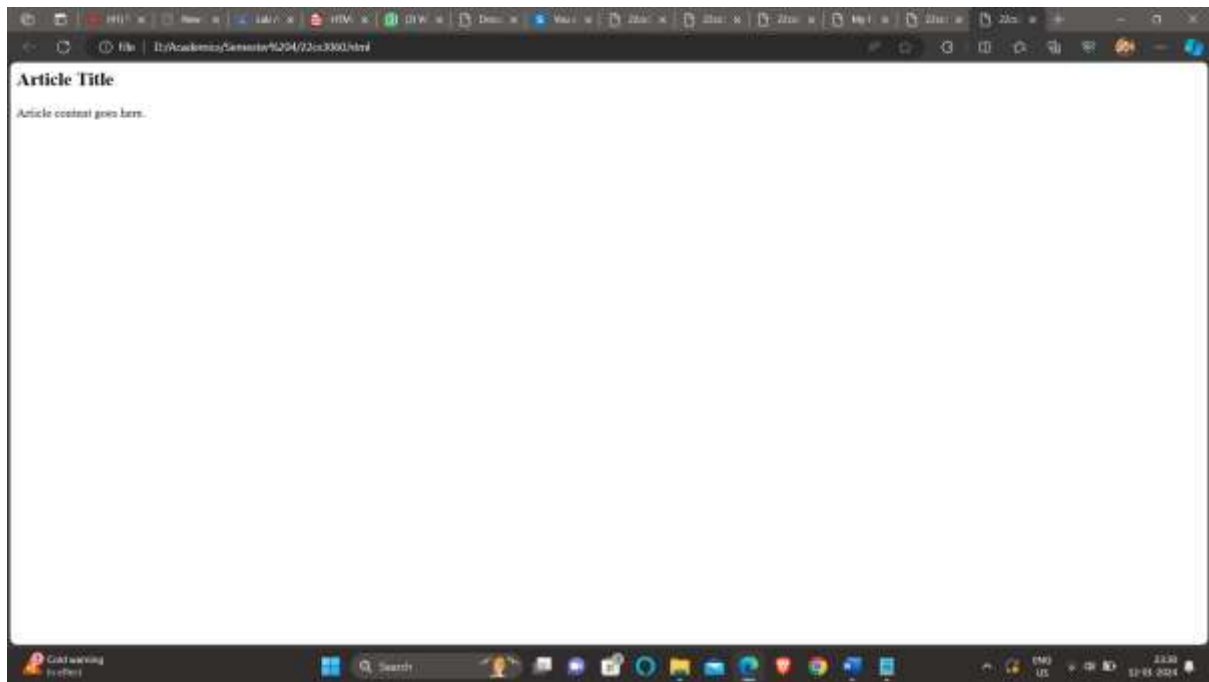
```
<article>
```

```
<h2>Article Title</h2>
```

```
<p>Article content goes here.</p>
```

```
</article>
```

### **Output :**



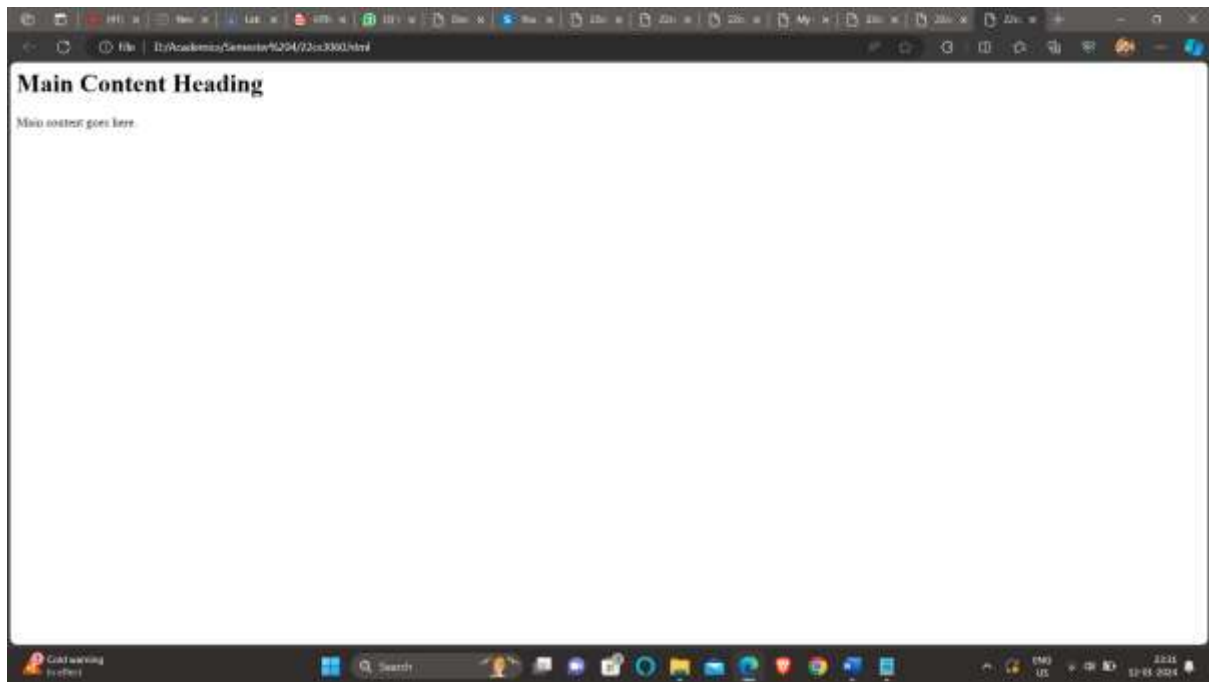
## Example 8

### Code :

```
<main>  
  <h1>Main Content Heading</h1>  
  <p>Main content goes here.</p>  
</main>
```

### Output :



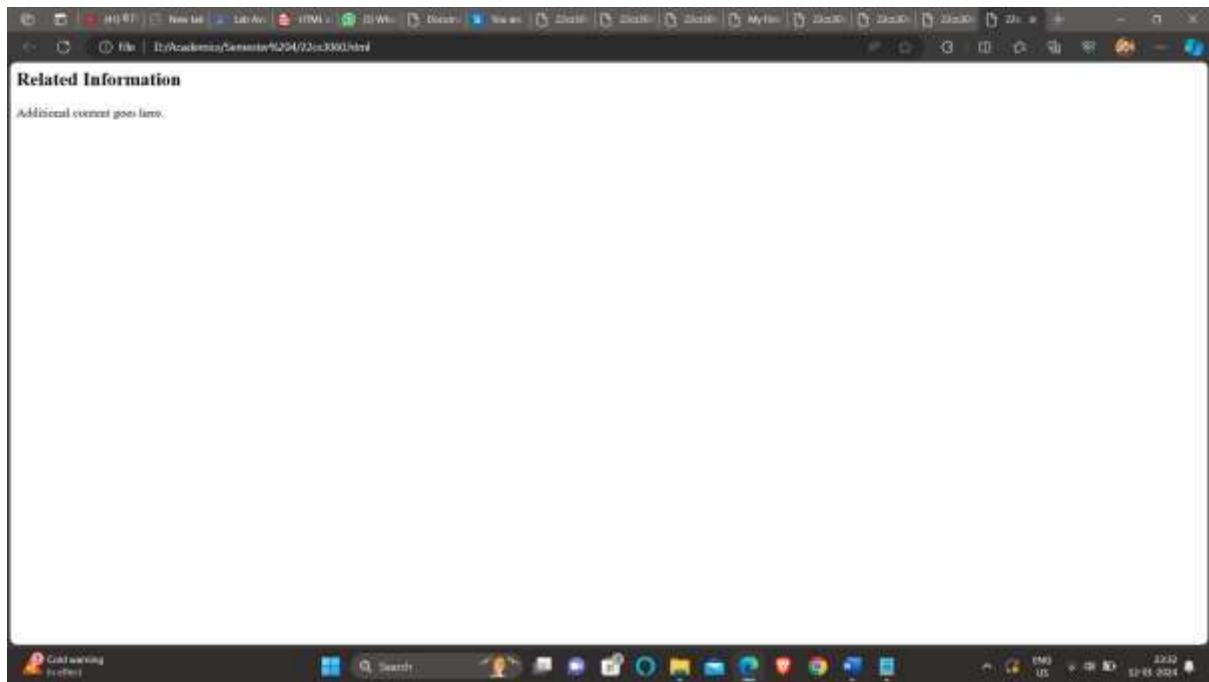


## Example 9

### Code :

```
<aside>
  <h2>Related Information</h2>
  <p>Additional content goes here.</p>
</aside>
```

### Output :



## Example 10

### Code :

```
<figure>
```

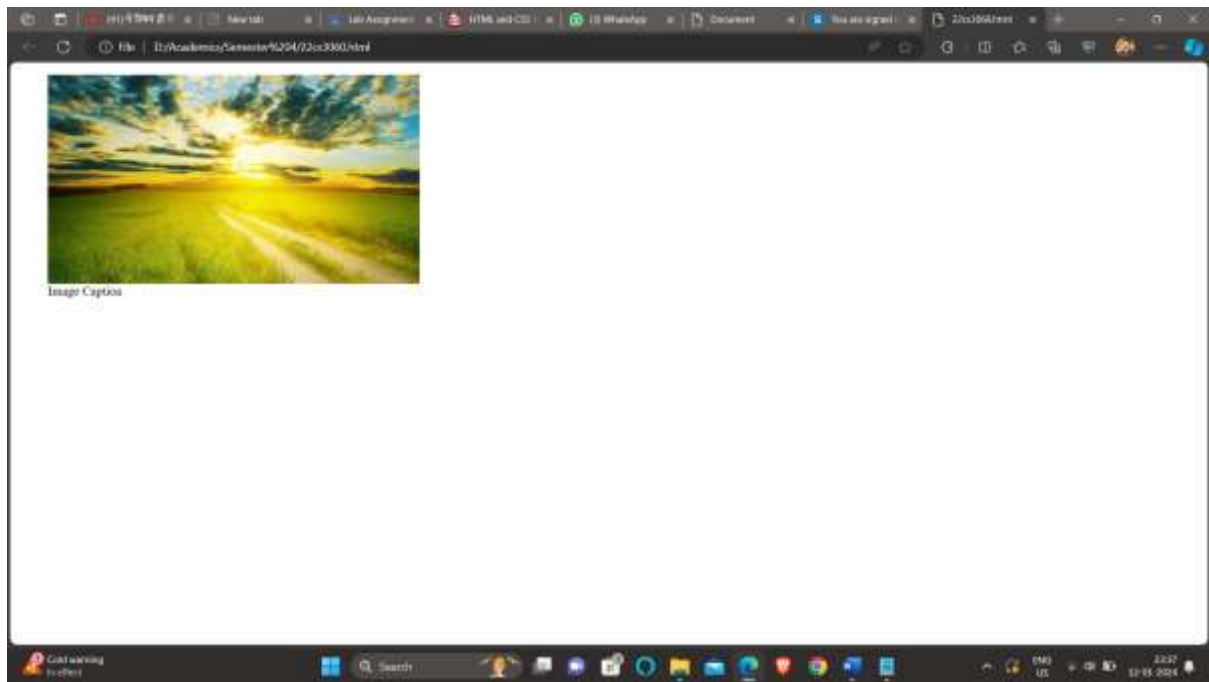
```

```

```
<figcaption>Image Caption</figcaption>
```

```
</figure>
```

### Output :



## Example 11

### Code :

```
<div id="container">
```

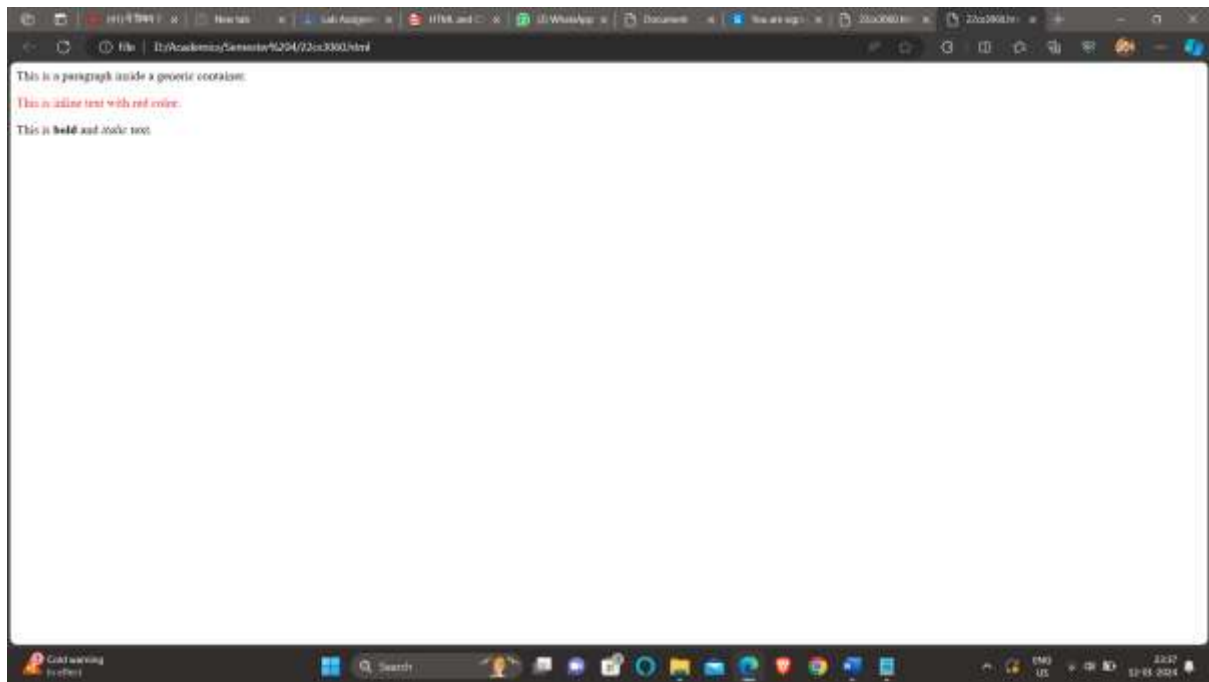
```
  <p>This is a paragraph inside a generic container.</p>
```

```
</div>
```

```
<span style="color: red;">This is inline text with red color.</span>
```

```
<p>This is <b>bold</b> and <i>italic</i> text.</p>
```

### Output :



## Example 12

### Code :

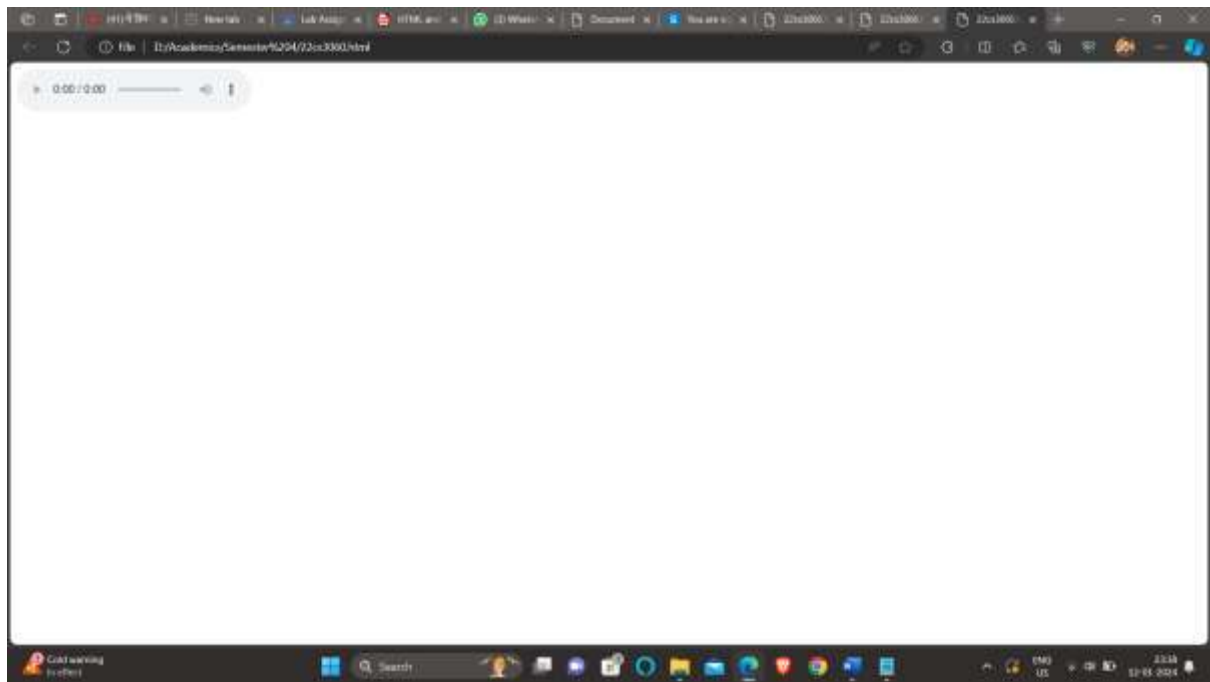
<audio controls>

<source src="audio.mp3" type="audio/mp3">

Your browser does not support the audio tag.

</audio>

### Output :

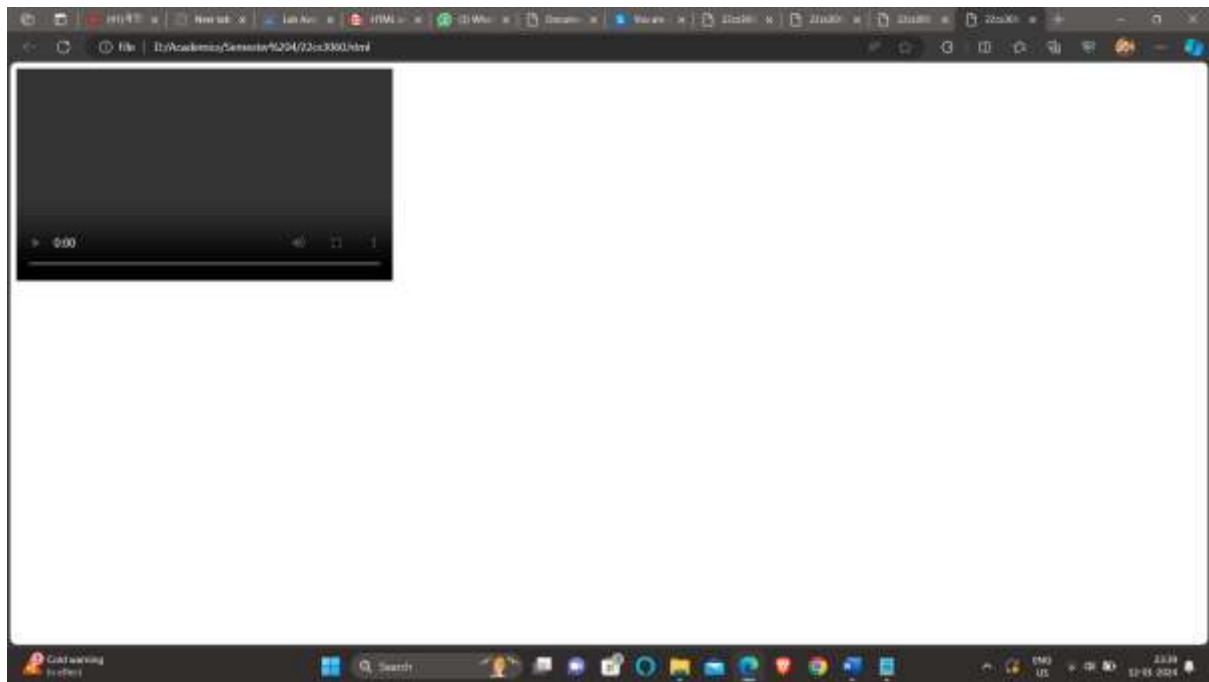


## Example 13

### Code :

```
<video controls width="480" height="270">  
  <source src="video.mp4" type="video/mp4">  
  Your browser does not support the video tag.  
</video>
```

### Output :



### Example 14

**Code :**

```
<video controls width="480" height="270">
```

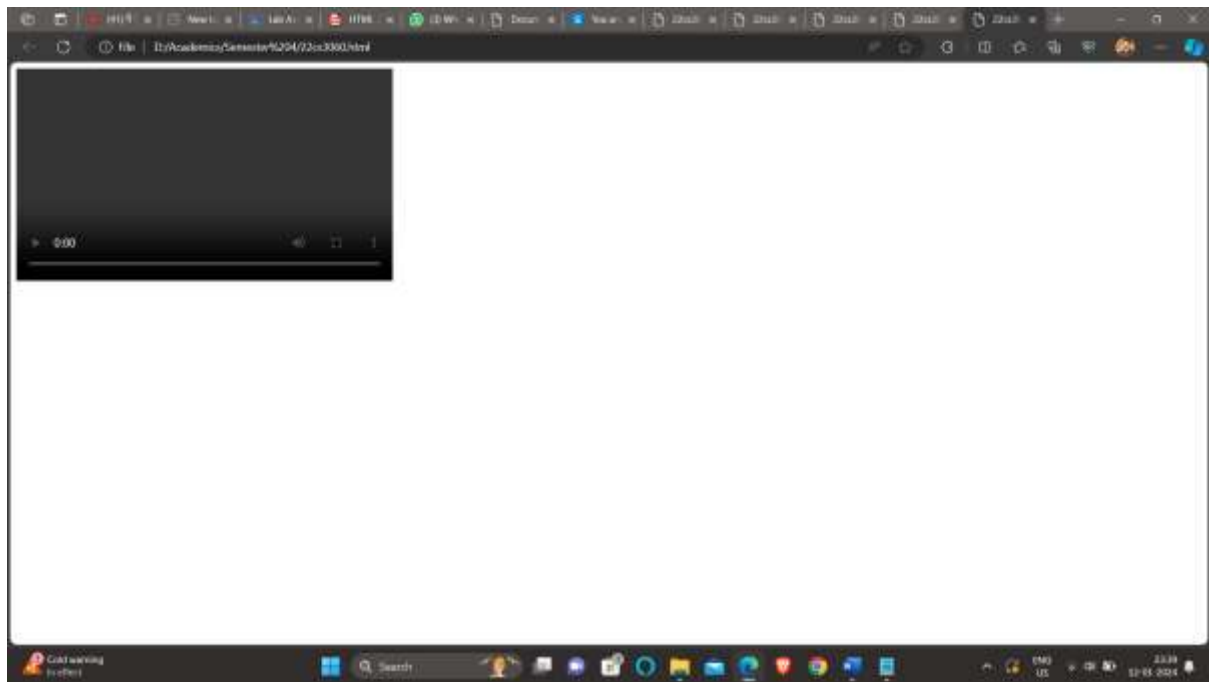
```
<source src="video.mp4" type="video/mp4">
```

Your browser does not support the video tag.

```
<track kind="captions" label="English" src="captions.vtt" srclang="en" default>
```

&lt;/video&gt;

**Output :**

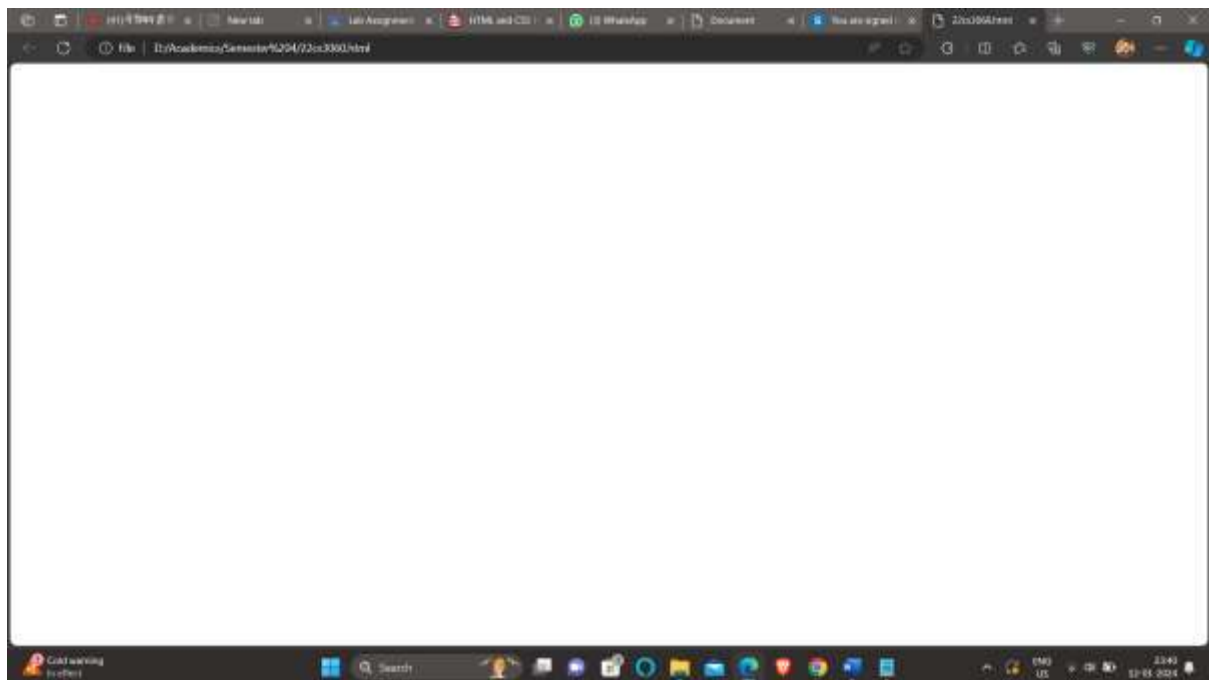


## Example 15

### Code :

```
<canvas id="myCanvas" width="400" height="200"></canvas>
```

### Output :



## Example 16

## Code :

```
<script>

// Get the canvas element

var canvas = document.getElementById("myCanvas");

// Get the 2D rendering context

var ctx = canvas.getContext("2d");

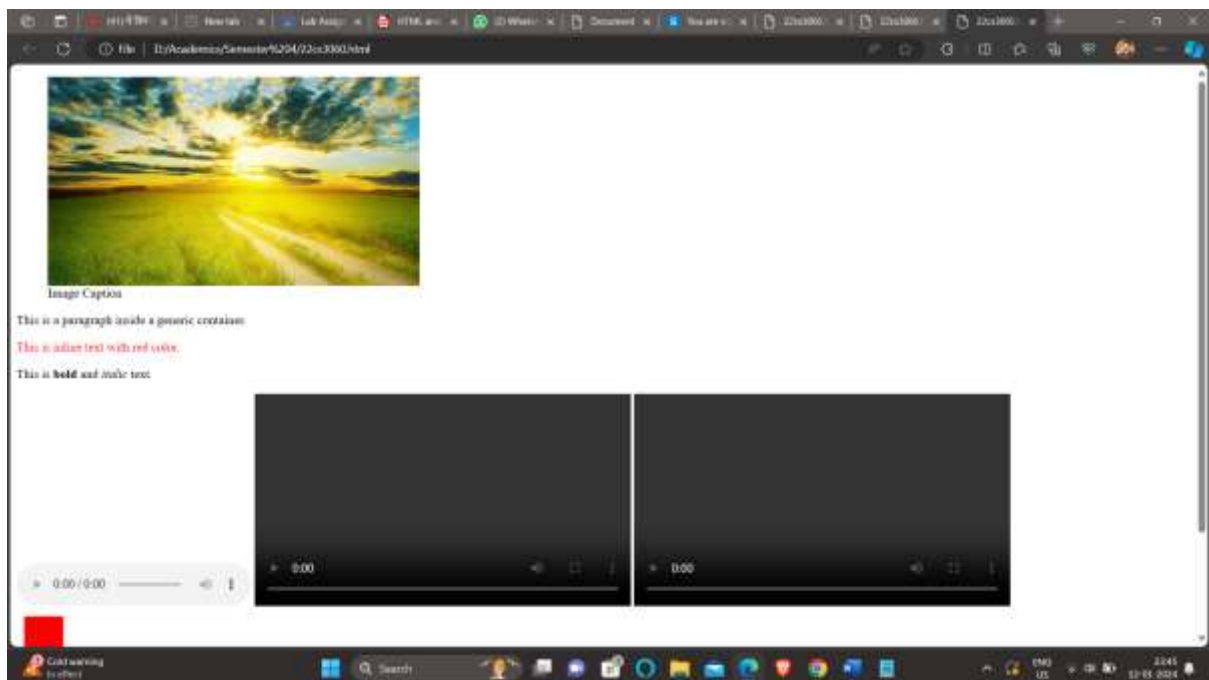
// Perform drawing operations using the context

ctx.fillStyle = "red";

ctx.fillRect(10, 10, 50, 50);

</script>
```

## Output :



## Example 17

## Code :

```
function draw() {

var canvas = document.getElementById("myCanvas");

var ctx = canvas.getContext("2d");

// Perform drawing operations

requestAnimationFrame(draw); // Call draw function again for the next animation
```

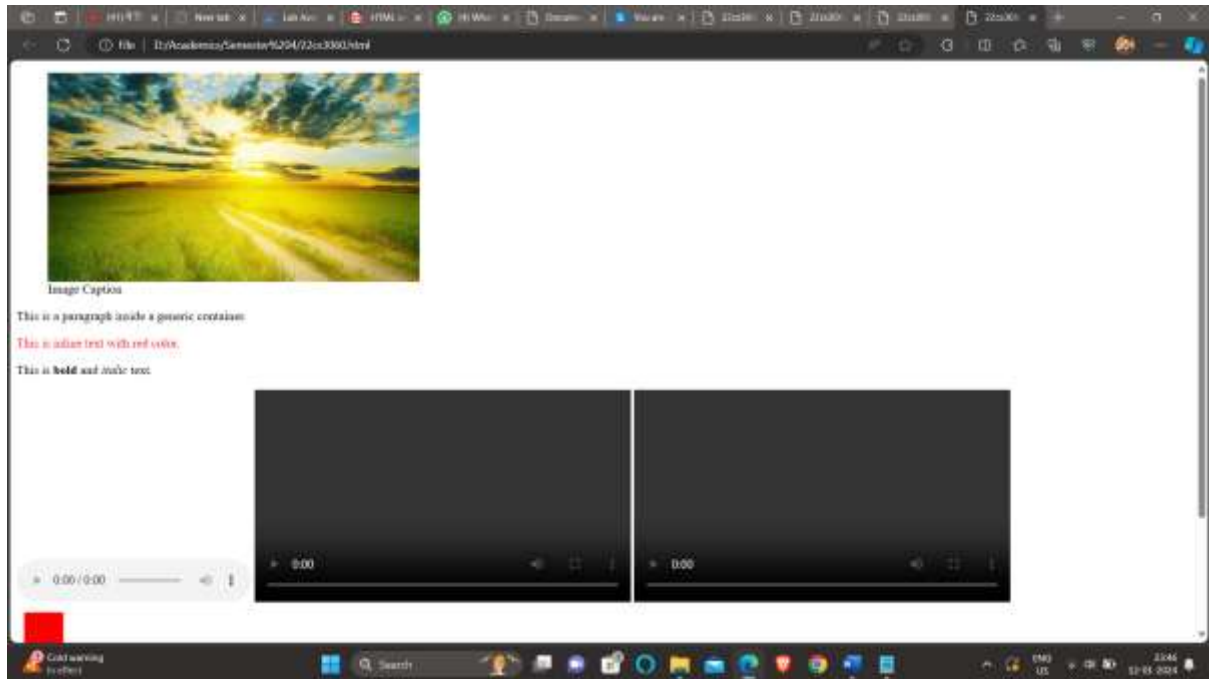


frame

}

draw(); // Initial call to start the animation loop

## Output :



## Example 18

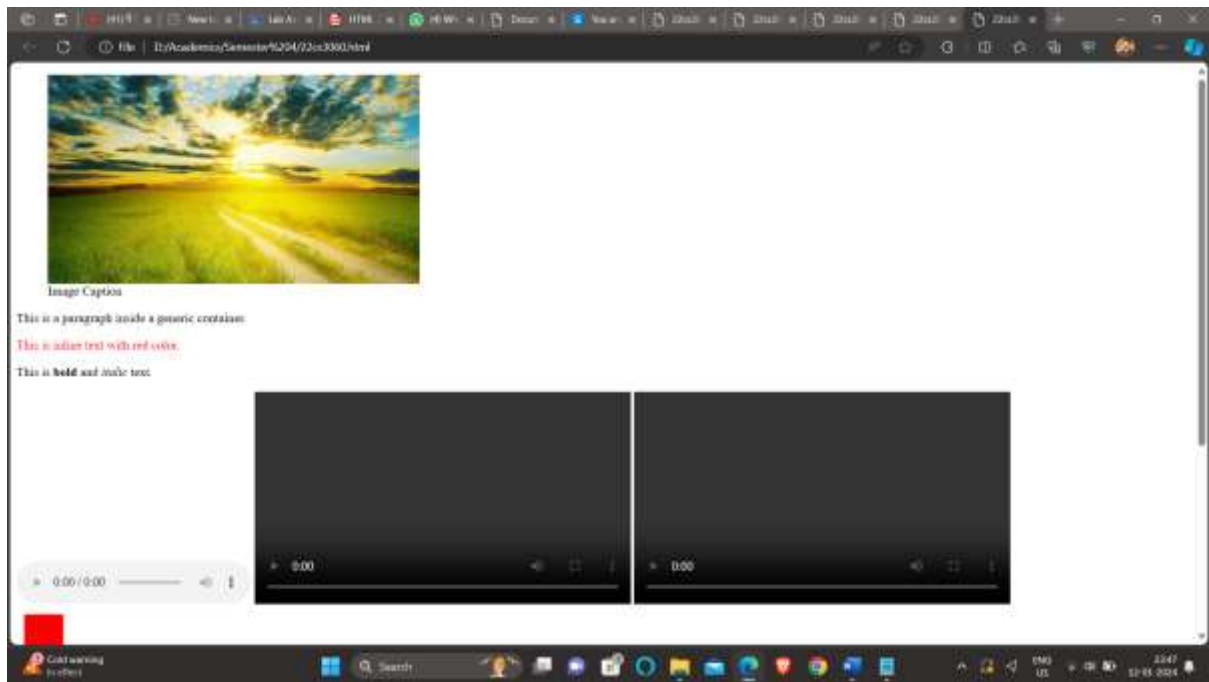
### Code :

```
<svg width="200" height="200">
```

```
<!-- SVG content goes here -->
```

```
</svg>
```

### Output :

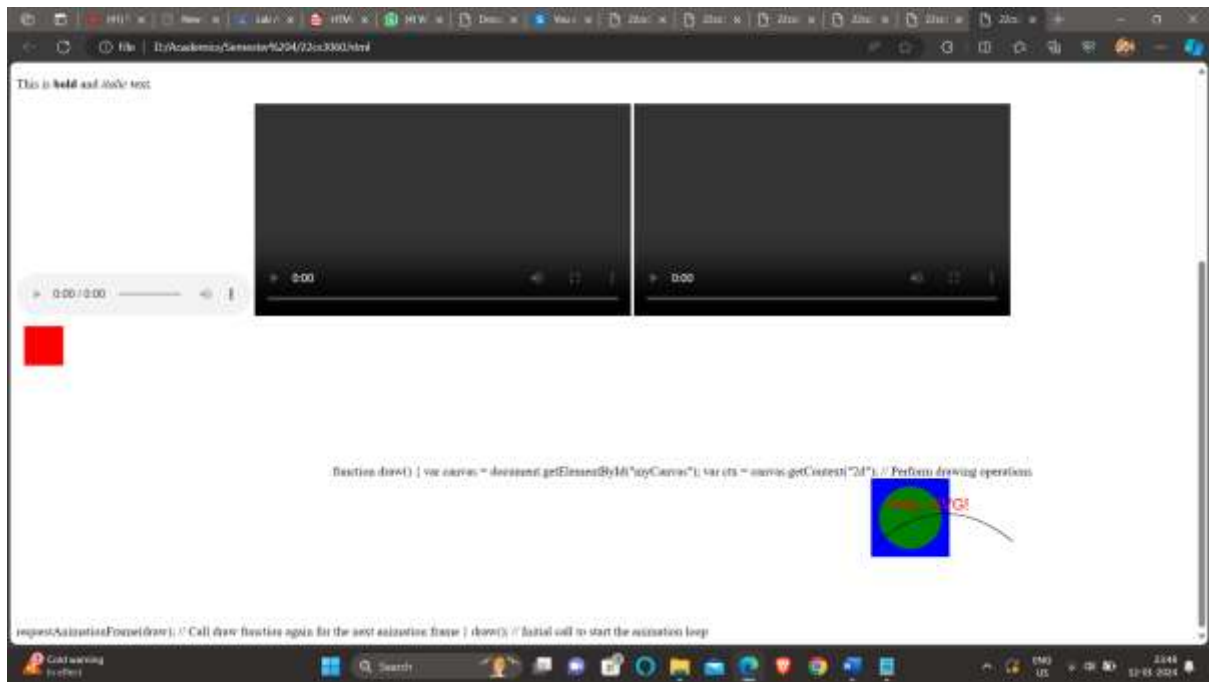


## Example 19

### Code :

```
<svg width="200" height="200">
  <rect width="100" height="100" fill="blue" />
  <circle cx="50" cy="50" r="40" fill="green" />
  <path d="M10 80 Q 95 10 180 80" fill="transparent" stroke="black" />
  <text x="20" y="40" font-family="Arial" font-size="20" fill="red">Hello, SVG!</text>
</svg>
```

### Output :

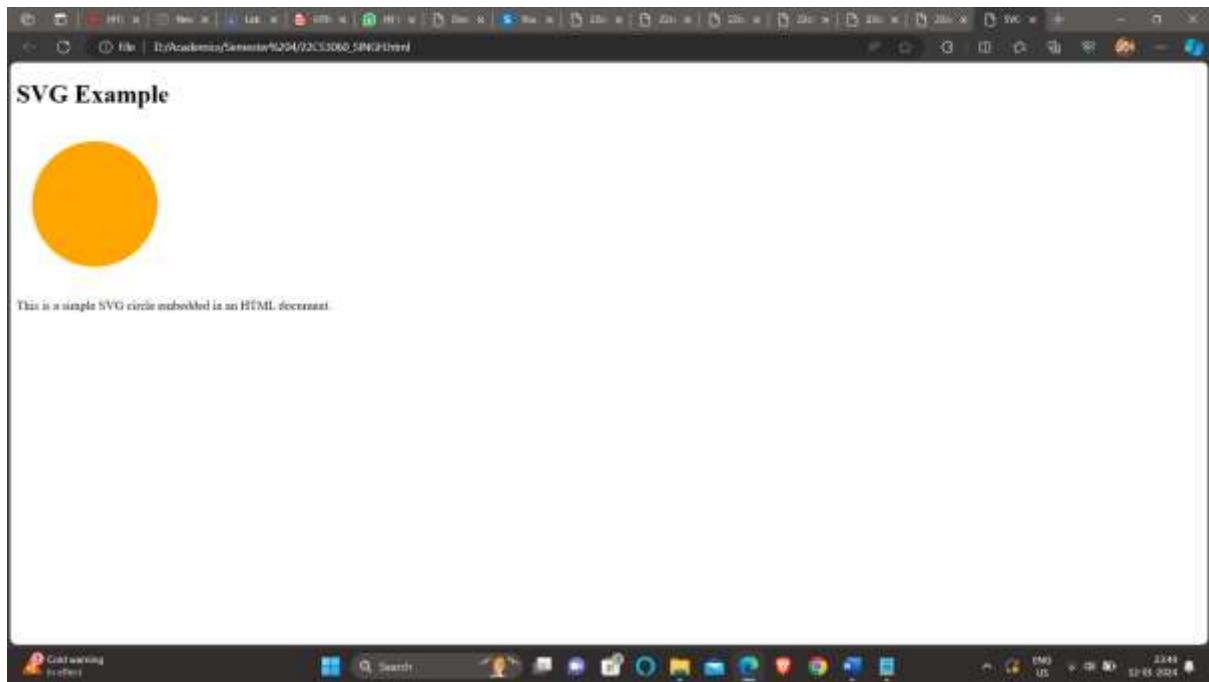


## Example 20

### Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>SVG Example</title>
</head>
<body>
<h1>SVG Example</h1>
<svg width="200" height="200">
<circle cx="100" cy="100" r="80" fill="orange" />
</svg>
<p>This is a simple SVG circle embedded in an HTML document.</p>
</body>
</html>
```

### Output :



## Example 21

### Code :

```

```

```
<object type="image/svg+xml" data="circle.svg" width="200" height="200">
```

Your browser does not support SVG.

```
</object>
```

### Output :

