

Q12)

```
<!DOCTYPE html>
```

```
<html>
```

```
<title>Sample html code for MCA New Sem -i-2024- July</title>
```

```
<body bgcolor="blue">
```

```
<p>usage of "pre" tag</p>
```

```
<p>
```

```
    I am a girl.
```

I am a boy. This and the previous sentence are displayed side by side in the same line in the web page.

```
<pre>
```

```
    I am a girl
```

```
    I am a boy.
```

```
    That is a toy.
```

```
    This is a plate
```

```
    In the web page this and the above four lines are displayed in the typed format.
```

```
</pre>
```

```
</p>
```

```
<p>heading with different sizes- relative size of H1,H2,H3,H4,H5 and H6</p>
```

```
<h1>Iam H1</h1>
```

```
<p>
```

```
<h2>Iam H2</h2>
```

```
</p>
```

```
<p>
```

```
<h3>Iam H3</h3>
```

```
</p>
```

```
<p>
```

```
<h4>Iam H4</h4>
```

```
</p>
```

```
<p>
```

```
<h5>Iam H5</h5>
```

```
</p>
```

```
<p>
```

```
<h6>Iam H6</h6>
```

```
</p>
```

```
<p><b>This line is in BOLD</b></p>
```

```
<p><i>This line is in italics</i></p>
```

```
<p><u>This line is Underlined</u></p>
```

```
<p>In this sentence the word <s>Table</s> is in strikethrough format</p>
```

```
<p>Bulleted default list follows</p>
```

```
<ul>
```

```
    <li>apple</li>
```

```
    <li>ball</li>
```

```
</ul>
```

```
<p>bullet type is disc</p>
```

```
<ul style="list-style-type:disc">
  <li>apple</li>
  <li>ball</li>
</ul>
<p>bullet type is circle</p>
<ul style="list-style-type:circle">
  <li>apple</li>
  <li>ball</li>
</ul>
<p>without the bullet</p>
<ul style="list-style-type:none">
  <li>apple</li>
  <li>ball</li>
</ul>
<p>numbered list follows default case</p>
<ol>
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>Type small a</p>
<ol type="a">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>Type Capital A</p>
<ol type="A">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>Type roman small i</p>
<ol type="i">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>Type roman Capital I</p>
<ol type="I">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>Type arabic numeral 1; this the default case</p>
<ol>
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>numbering starts with the second number in the type specified</p>
```

```
<ol type="a" start="2">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>numbering starts with the second number in the type specified</p>
<ol type="A" start="2">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>numbering starts with the second number in the type specified</p>
<ol type="i" start="2">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>numbering starts with the second number in the type specified</p>
<ol type="I" start="2">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>numbering starts with the second number in the type specified</p>
<ol type="1" start="2">
  <li>Tom</li>
  <li>Jerry</li>
</ol>
<p>combined use of blockquote and pre tags</p>
<blockquote>
  <pre>
```

Boy! Lucius! Fast asleep?

It is no matter,

Enjoy the honey-heavy dew of slumber.

Thou hast no figures nor no fantasies,

Which busy care draws in the brains of men;

Therefore thou sleep'st so sound

[by William Shakespeare in Julius Caesar]

```
</pre>
```

```
</blockquote>
```

```
<p>address tag displays text in italics</p>
```

```
<address>
```

```
<pre>
```

Name

Address line 1

Address line 2

State

Pincode

```
</pre>
```

```
</address>
```

<p>typing special character</p>

<p>< is the less than symbol

> is the Greater than symbol

& is the ampersand symbol

" is the quotation mark symbol

à is small a, grave accent symbol

À is capital a, grave accent symbol

ñ is small n, tilde symbol

Ñ is capital n, tilde symbol

ü is the umlaut small u symbol

Ü is the umlaut

 is the symbol Delta

¼ is the quarter symbol

½ is the half symbol

 is the blank space

</p>

<p>multiple blank lines</p>

<p>start of the ten blank line set</p>

<p>end of the ten blank line set</p>

<p>embedding image with src="FILENAME.GIF" width="value" height="value" alt="alternate text" border="value"

align="value"></p>

<p>width 100 height 100 border none</p>

<p>width 100 height 100 border 2</p>

<p>

I am Times New Roman size 2

</p>

<p>

I am Times New Roman size 4

</p>

<p>

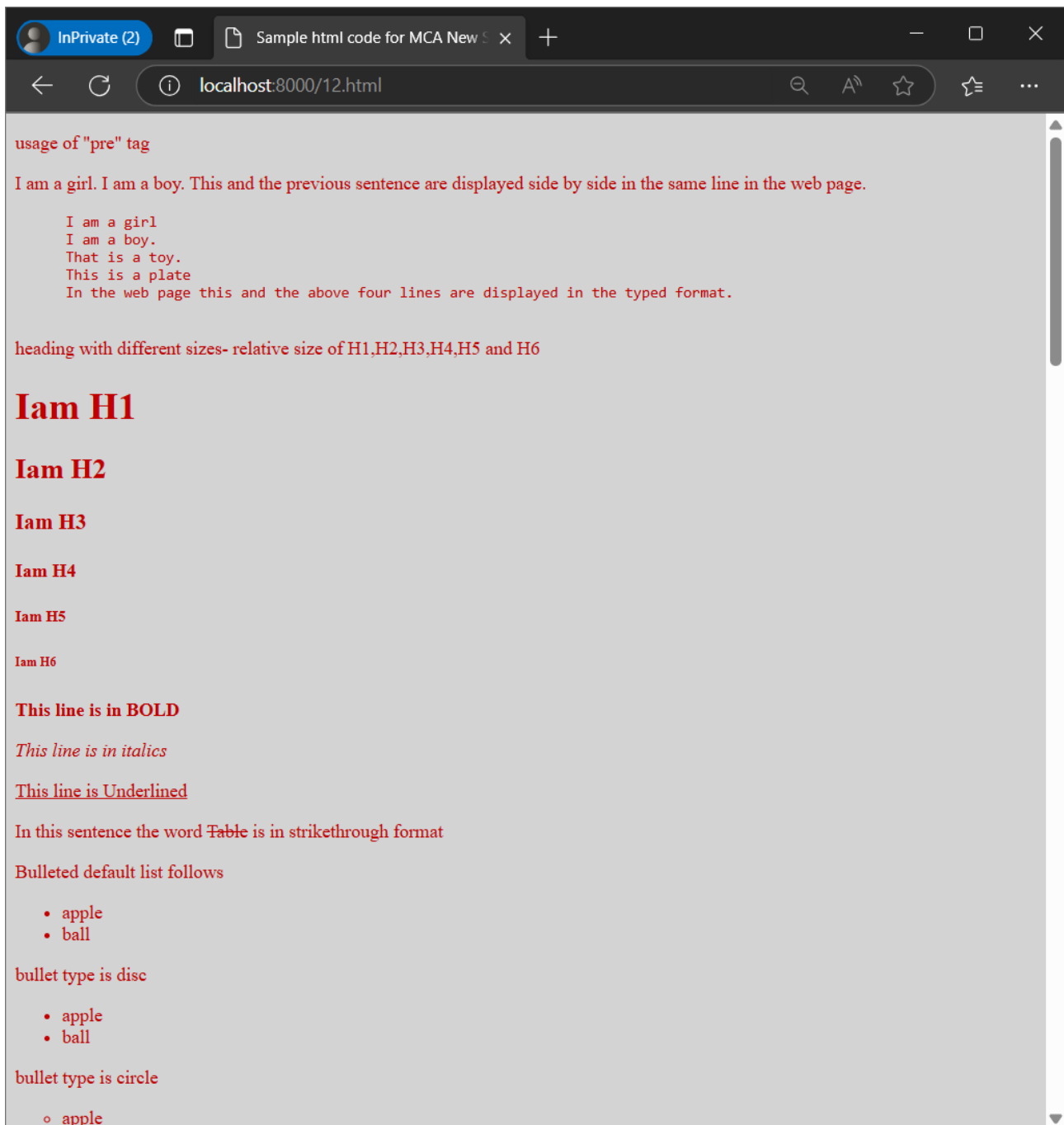
I am Times New Roman size 7

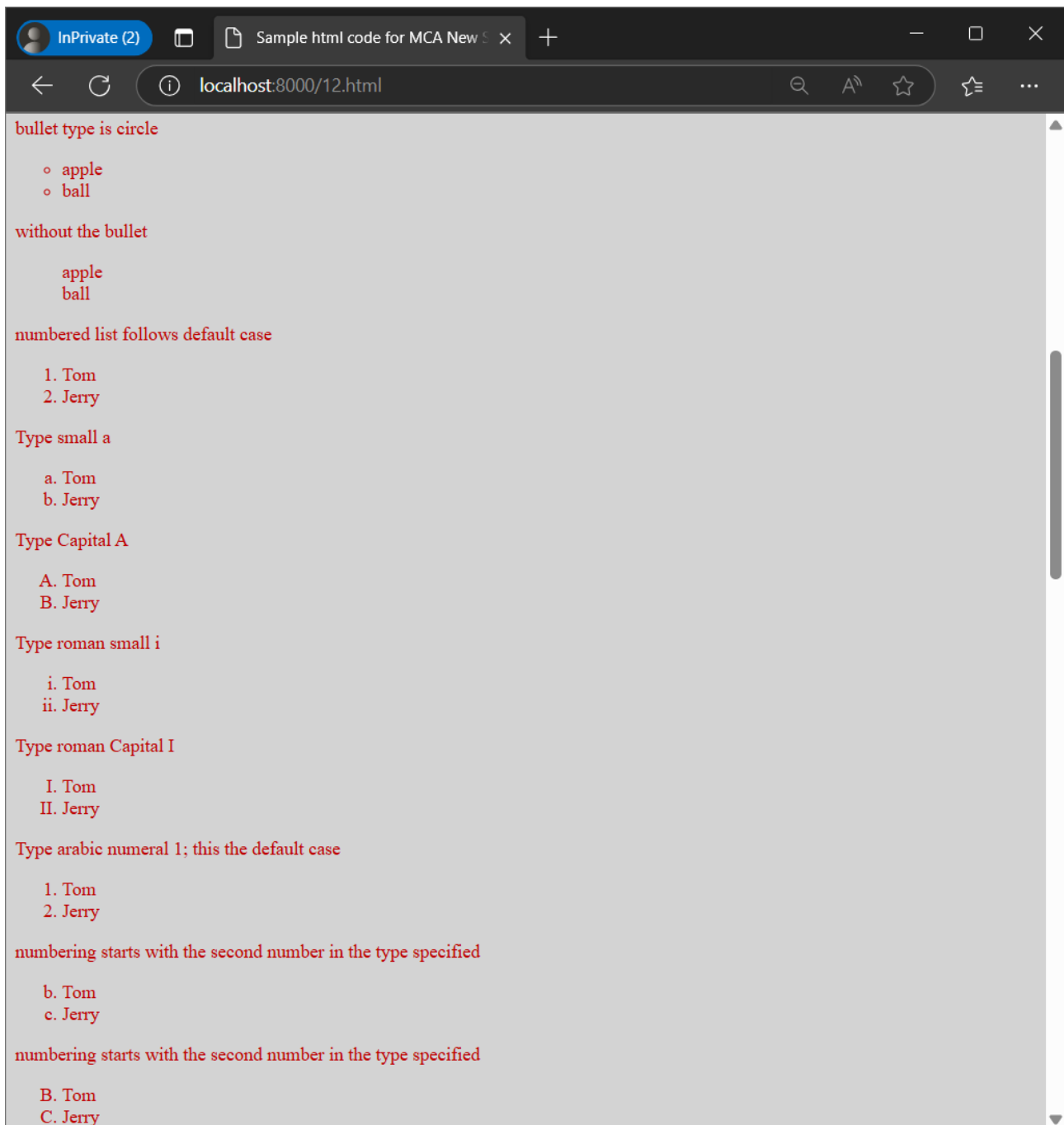
</p>

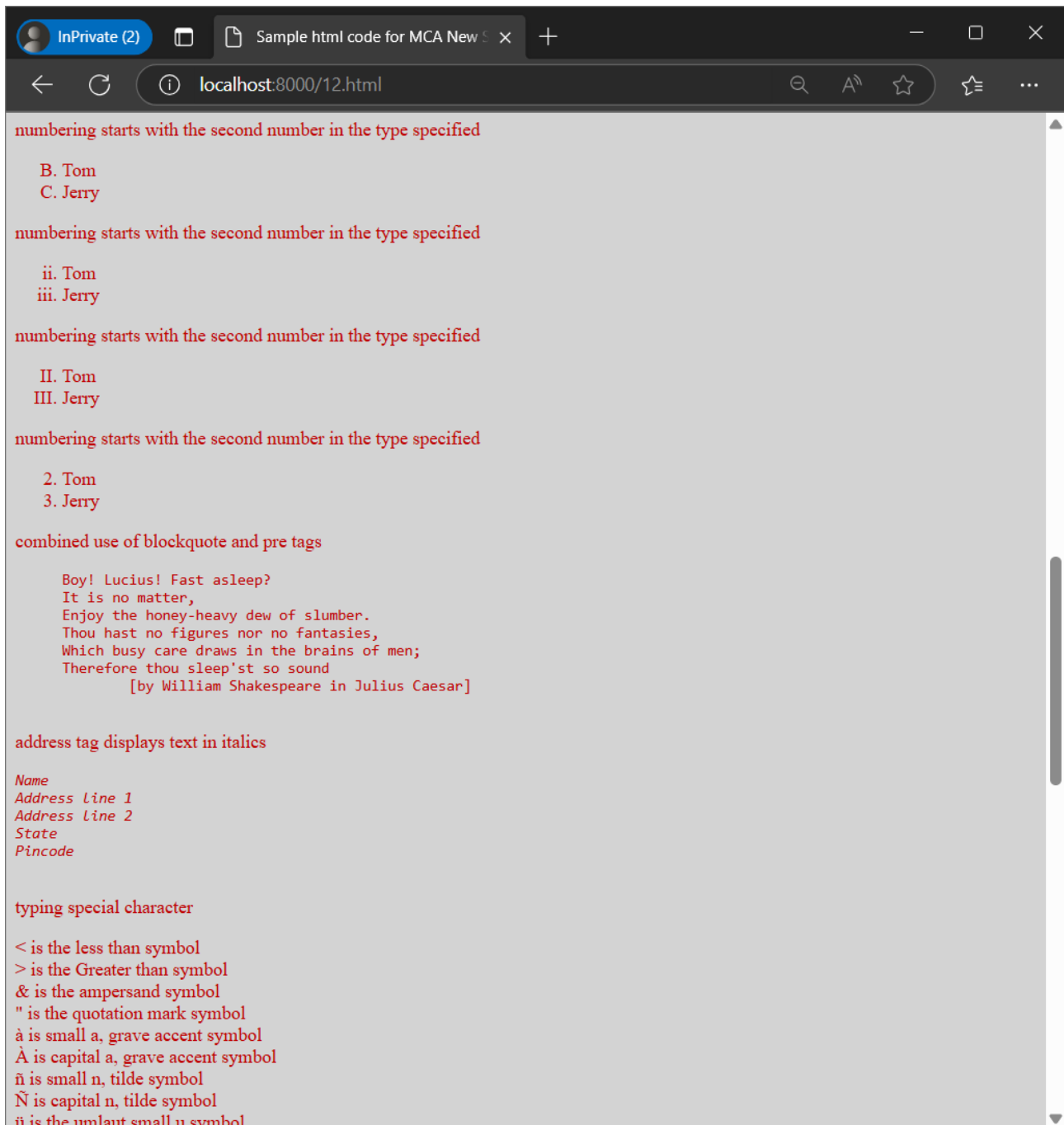
<p><!-- Page 40: [Description or notes about page 40] --></p>

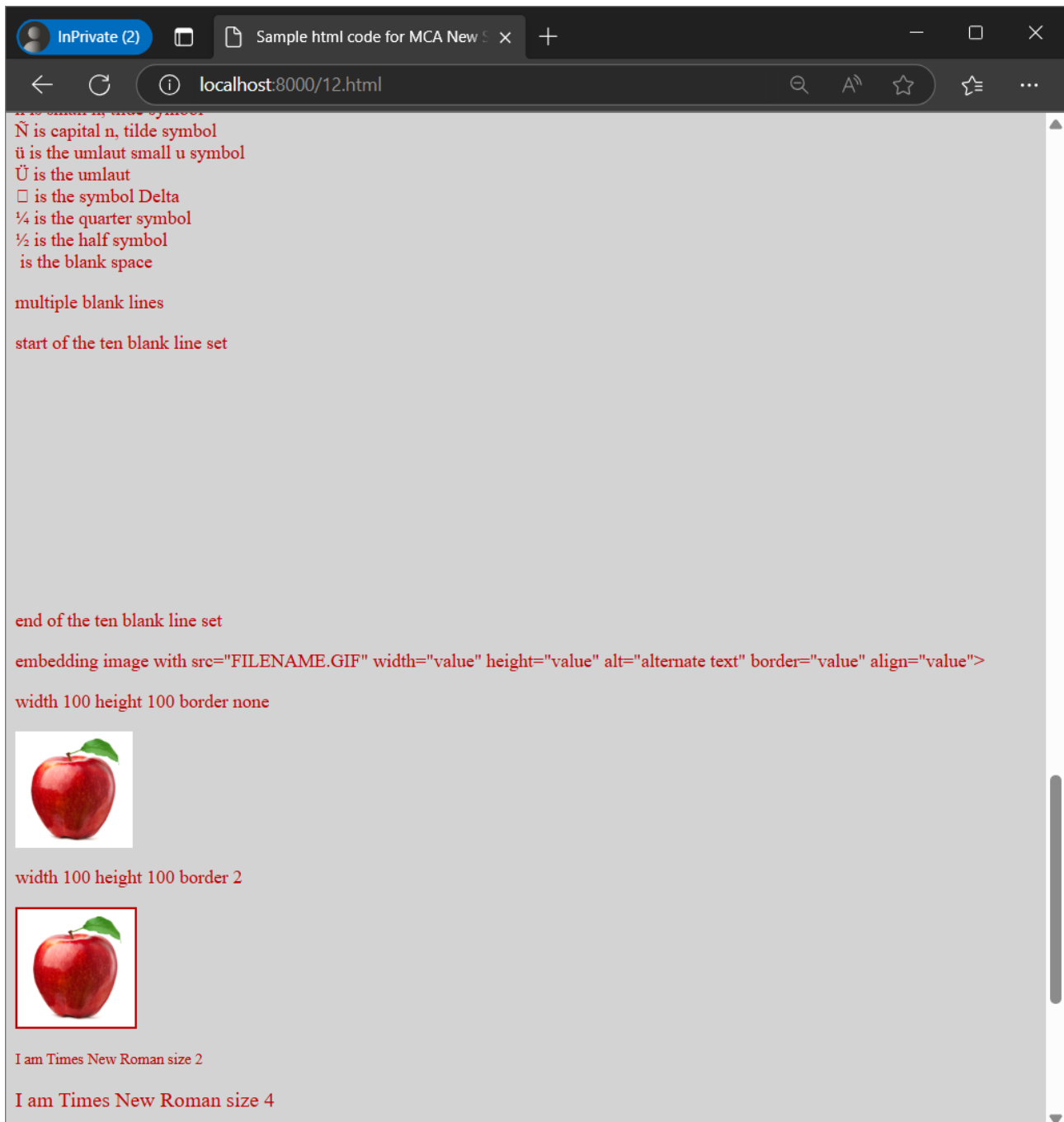
```
<p>
  <font face="Purisa" size="2">I am Purisa size 2</font>
</p>
<p>
  <font face="Purisa" size="4">I am Purisa size 4</font>
</p>
<p>
  <font face="Purisa" size="7">I am Purisa size 7</font>
</p>
<p>hyperlink</p>
<p>goes to hyperlink
  <a href="https://www.google.com">google</a>
</p>
<p>goes to top of current page
  <a href="#top">top of current page</a>
</p>
<p>yet another way to go to top of current page
  <a href="#">yet another way to go to top of current page</a>
</p>
<p>body background colour, background image, text colour, colour of active/visited link, etc</p>
<p>
  <body bgcolor="colour" background="image" vlink="colour" alink="colour" link="colour"
text="colour">
  </p>
</body>
</html>
```

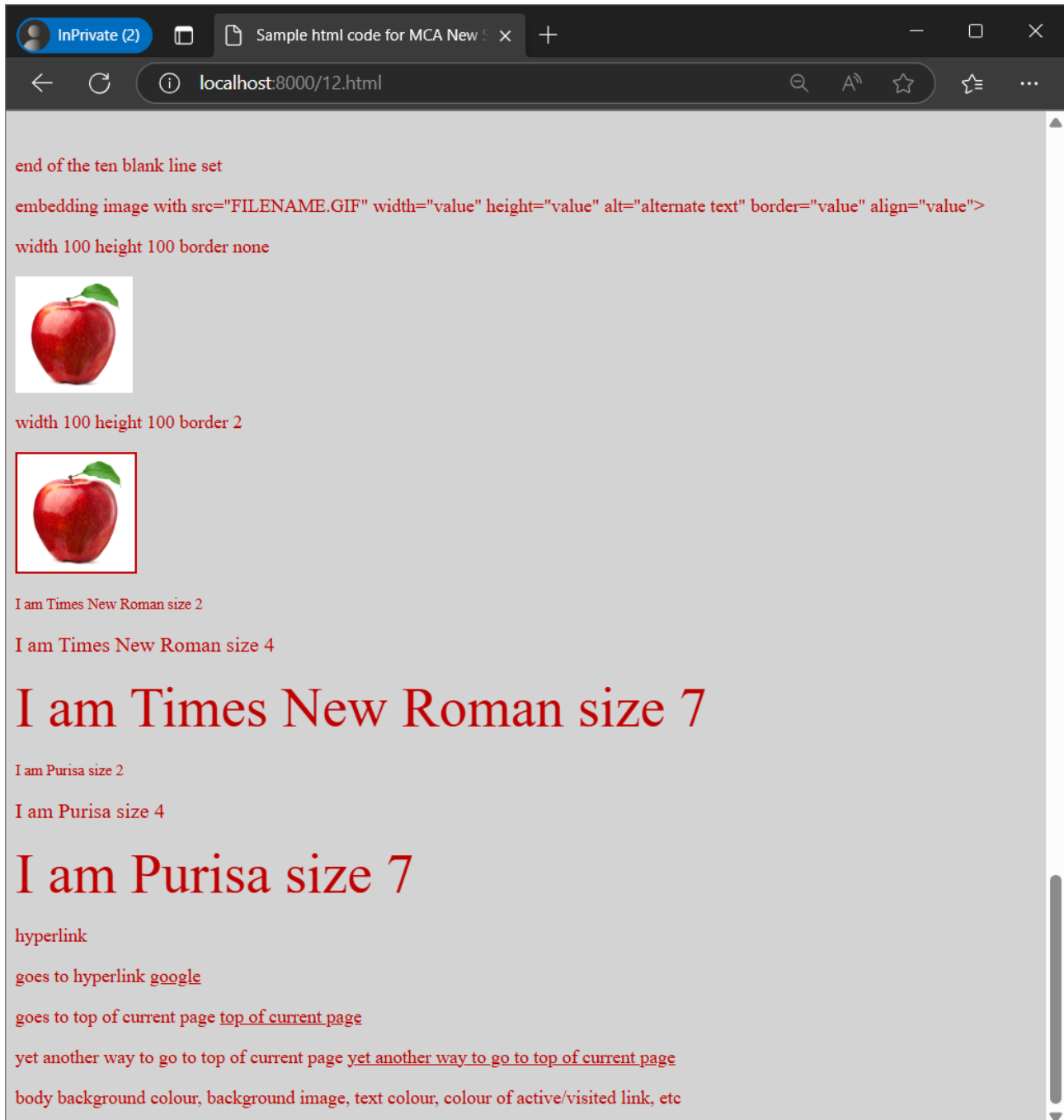
Output:
MS Edge browser











Q 13) JavaScript - Current Date and Time

```
<html>
<html lang="en">
<!--Java script -addition subtraction multiplication and division !-->
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Calculator</title>
  <script>
    function getDate() {
      var cDate = new Date();
      document.getElementById("Date").innerHTML = cDate.toString();
    }

    function fun() {
      var numOne = parseInt(document.getElementById("one").value);
      var numTwo = parseInt(document.getElementById("two").value);
      var temp = document.getElementById("res");

      if (!isNaN(numOne) && !isNaN(numTwo)) {
        temp.style.display = "block";

        var res = numOne + numTwo;
        document.getElementById("add").value = res;

        res = numOne - numTwo;
        document.getElementById("subtract").value = res;

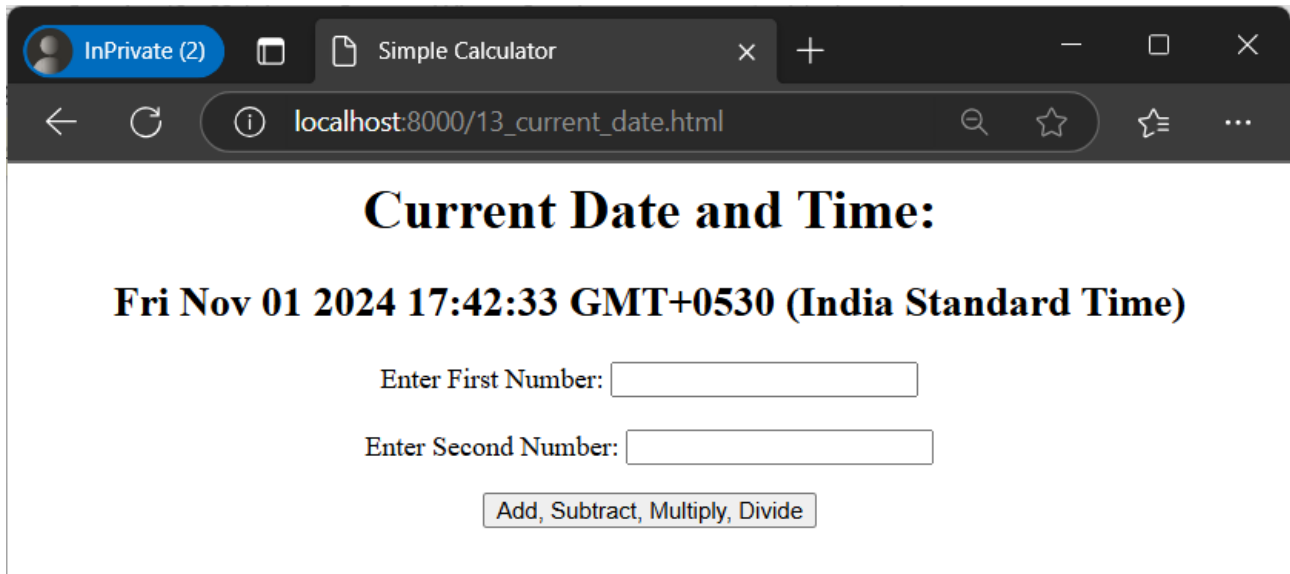
        res = numOne * numTwo;
        document.getElementById("multiply").value = res;

        res = numOne / numTwo;
        document.getElementById("divide").value = res;
      } else {
        alert("Please enter valid numbers.");
      }
    }
  </script>
</head>

<body onload='getDate()' style="text-align: center">
  <h1>Current Date and Time:</h1>
  <h2 id="Date"></h2>
```

```
<p id="input">
  Enter First Number: <input id="one" type="number"> <br /><br />
  Enter Second Number: <input id="two" type="number">
</p>
<p>
  <button onclick="fun()">Add, Subtract, Multiply, Divide</button>
</p>
<p id="res" style="display:none;">
  Addition Result = <input id="add" readonly> <br /><br />
  Subtraction Result = <input id="subtract" readonly> <br /><br />
  Multiplication Result = <input id="multiply" readonly><br /><br />
  Division Result = <input id="divide" readonly>
</p>
</body>
</html>
```

Output:
MS Edge browser



The screenshot shows a web browser window with the title "Simple Calculator". The address bar displays "localhost:8000/13_current_date.html". The page content includes a heading "Current Date and Time:" followed by the date and time "Fri Nov 01 2024 17:42:33 GMT+0530 (India Standard Time)". Below this, there are two input fields labeled "Enter First Number:" and "Enter Second Number:". At the bottom, there is a button labeled "Add, Subtract, Multiply, Divide".

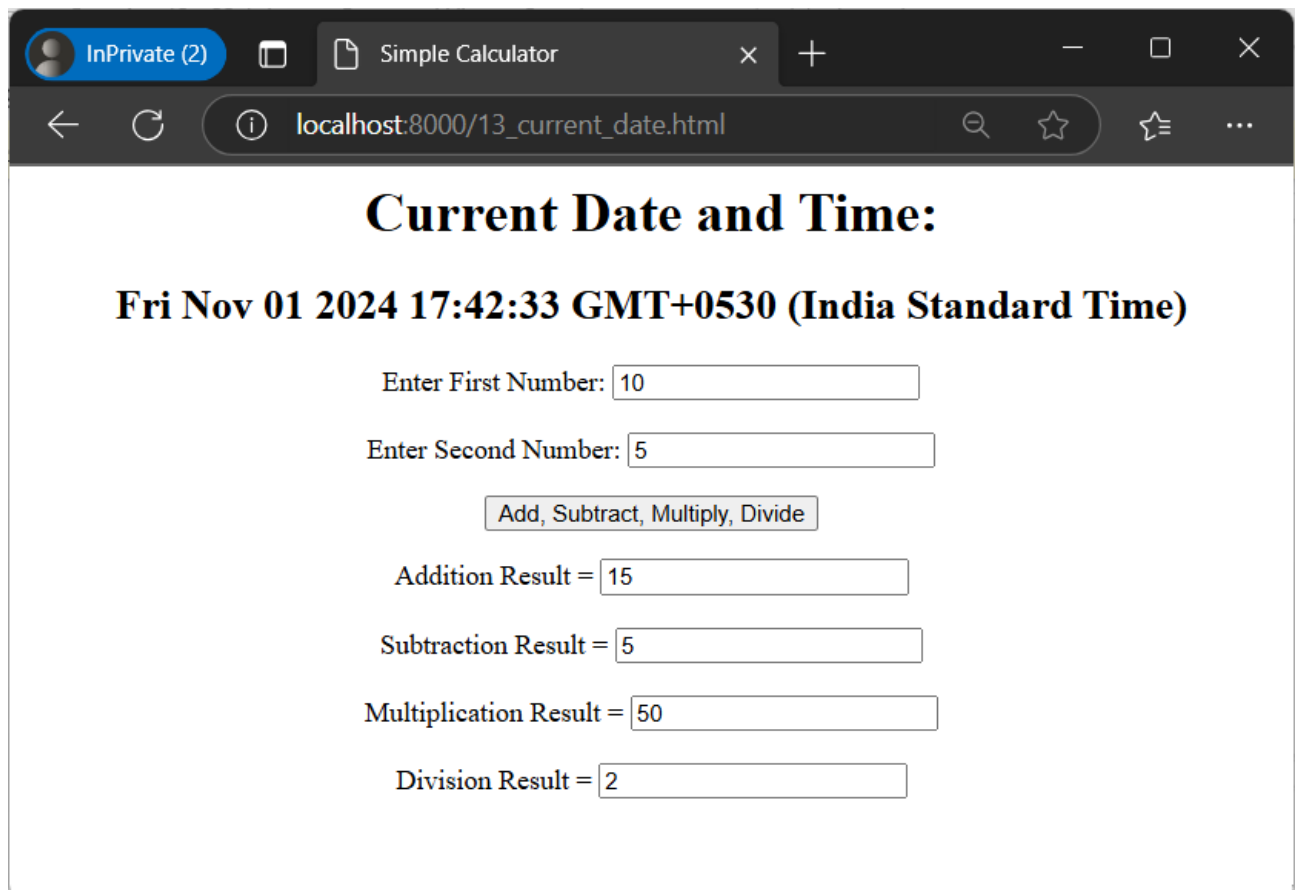
Current Date and Time:

Fri Nov 01 2024 17:42:33 GMT+0530 (India Standard Time)

Enter First Number:

Enter Second Number:

Add, Subtract, Multiply, Divide



The screenshot shows the same web browser window as the previous one, but with the input fields filled with the numbers 10 and 5. The button "Add, Subtract, Multiply, Divide" has been clicked, and the results of the operations are displayed below it: "Addition Result = 15", "Subtraction Result = 5", "Multiplication Result = 50", and "Division Result = 2".

Current Date and Time:

Fri Nov 01 2024 17:42:33 GMT+0530 (India Standard Time)

Enter First Number:

Enter Second Number:

Add, Subtract, Multiply, Divide

Addition Result =

Subtraction Result =

Multiplication Result =

Division Result =

Q14) [1] radio button[2] check box [3] label [4] single e-mail [5] multiple e-mail

```
<html>
<title>radio-checkbox-label-single-multiple-e-mail</title>
<body>
  <h1>sets radio button option</h1>
  <form>
    <input type="radio" id="opt1" name="opt" value="Option1">
    <label for="opt1">Option1</label><br>
    <input type="radio" id="opt2" name="opt" value="Option2">
    <label for="opt2">Option2</label><br>
    <input type="radio" id="opt3" name="opt" value="Option3">
  </form>
  <p>sets check box option</p>
  <input type="checkbox" id="car1" name="car1" value="Benz">
  <label for="car1"> I own a Benz Car</label><br>
  <input type="checkbox" id="Car2" name="Car2" value="Fiat">
  <label for="Car2"> I own a Fiat Car</label><br>
  <p>sets label option</p>
  <form action="/actions.php">
    <label for="f_name">First name:</label><br>
    <input type="text" id="f_name" name="f_name" value="John"><br>
    <label for="l_name">Last name:</label><br>
    <input type="text" id="l_name" name="l_name" value="Li"><br><br>
    <input type="submit" value="Submit">
  </form>
  <p>sets single e-mail option</p>
  <form>
    <input type="email">
    <input type="submit" value="Submit">
  </form>
  <form>
    <p>sets multiple e-mail option</p>
    <input type="email" multiple>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

Output:

MS Edge browser

The screenshot shows a web browser window with the title 'radio-checkbox-label-single-multi'. The address bar displays 'localhost:8000/14_input.html'. The page content includes a heading 'sets radio button option' followed by three radio buttons labeled 'Option1', 'Option2', and an unlabeled one. Below this is a section titled 'sets check box option' containing two rows of text input fields and labels: 'Benz' with 'I own a Benz Car' and 'Fiat' with 'I own a Fiat Car'. The next section is 'sets label option', featuring 'First name:' and 'Last name:' labels with corresponding text input fields containing 'John' and 'Li'. A 'Submit' button is located below these fields. The following section is 'sets single e-mail option', consisting of a single text input field and a 'Submit' button. The final section is 'sets multiple e-mail option', also consisting of a single text input field and a 'Submit' button.

sets radio button option

☐ Option1
☐ Option2
☐

sets check box option

I own a Benz Car
 I own a Fiat Car

sets label option

First name:

Last name:

sets single e-mail option

sets multiple e-mail option

Q 15) internal CSS [with blue background]

```
<html>

<head>
  <title>internal css</title>
  <style>
    body {
      background-color: blue;
    }

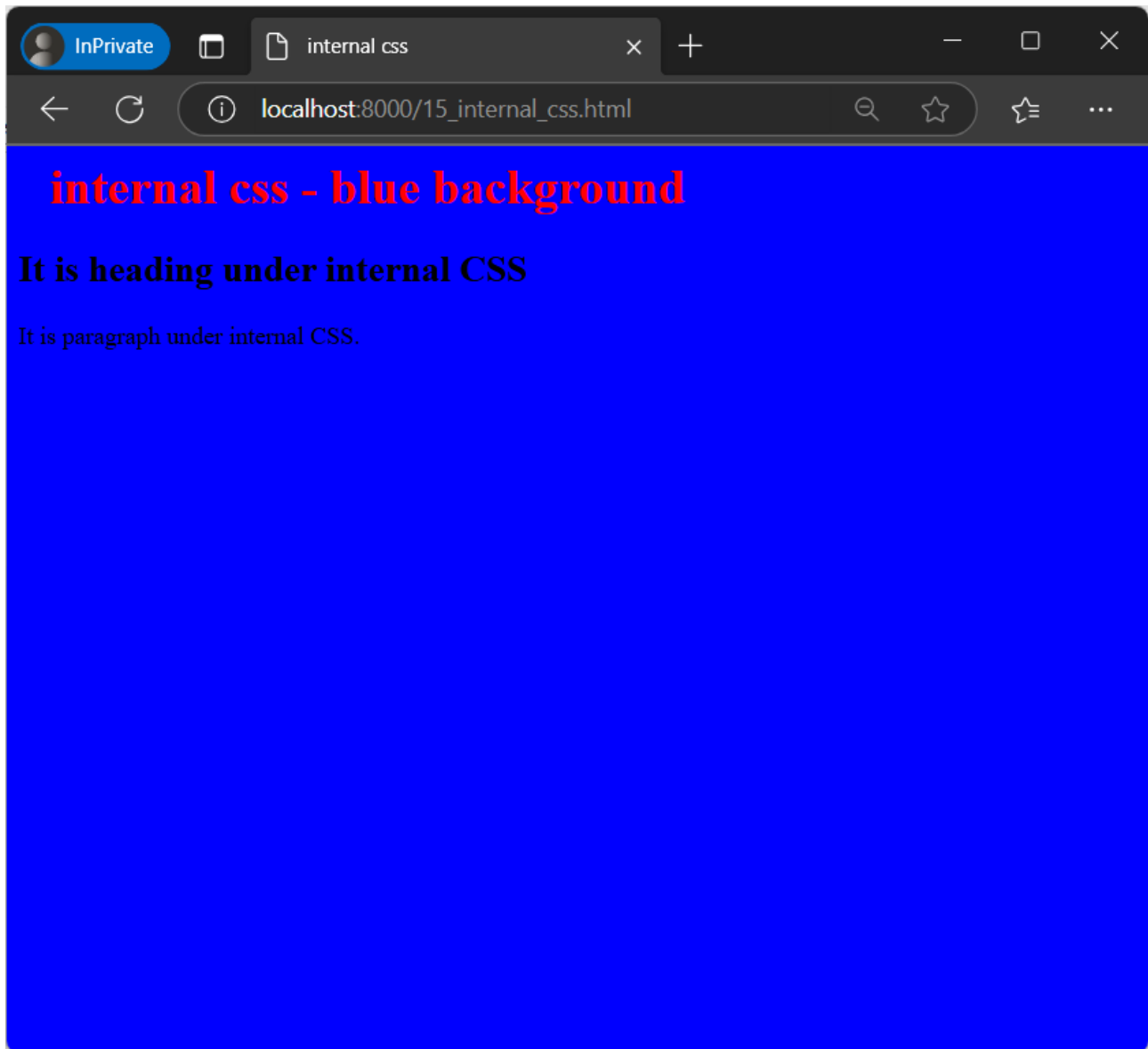
    h1 {
      margin-left: 20px;
      color: red;
    }
  </style>
</head>

<body>
  <h1>internal css - blue background</h1>
  <h2>It is heading under internal CSS</h2>
  <p>It is paragraph under internal CSS.</p>
</body>

</html>
```


Output:

MS Edge browser



Q16) Inline CSS – caption is right aligned

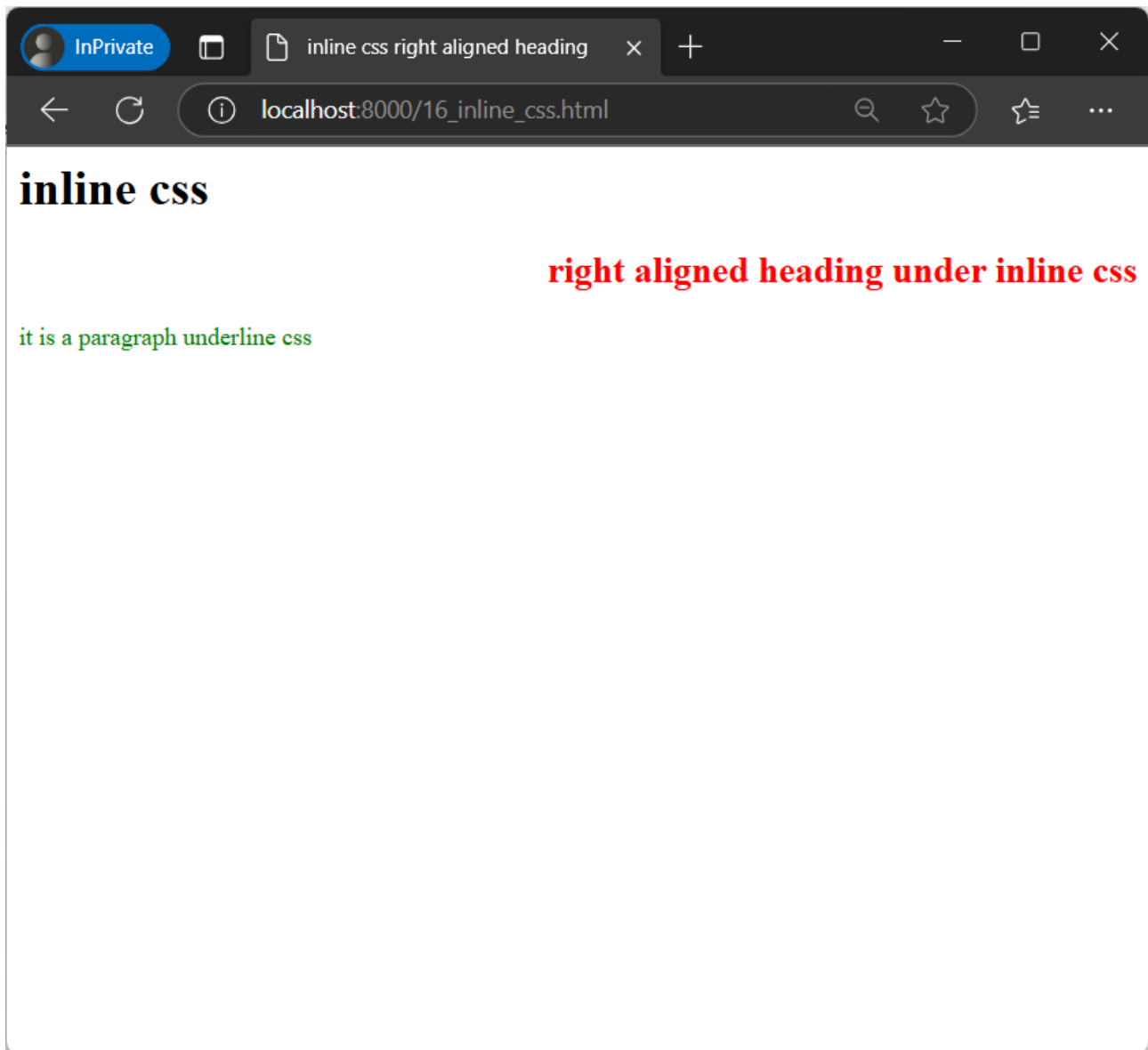
```
<html>
<title>inline css right aligned heading </title>

<body>
  <h1>
    inline css
  </h1>
  <h2 style="text-align:right;color:red;">
    right aligned heading under inline css</h2>
  <p style="text-align - justify; color:green;">it is a paragraph
    underline css</p>
</body>

</html>
```

Output:

MS Edge browser



Q17) Value changes on click event

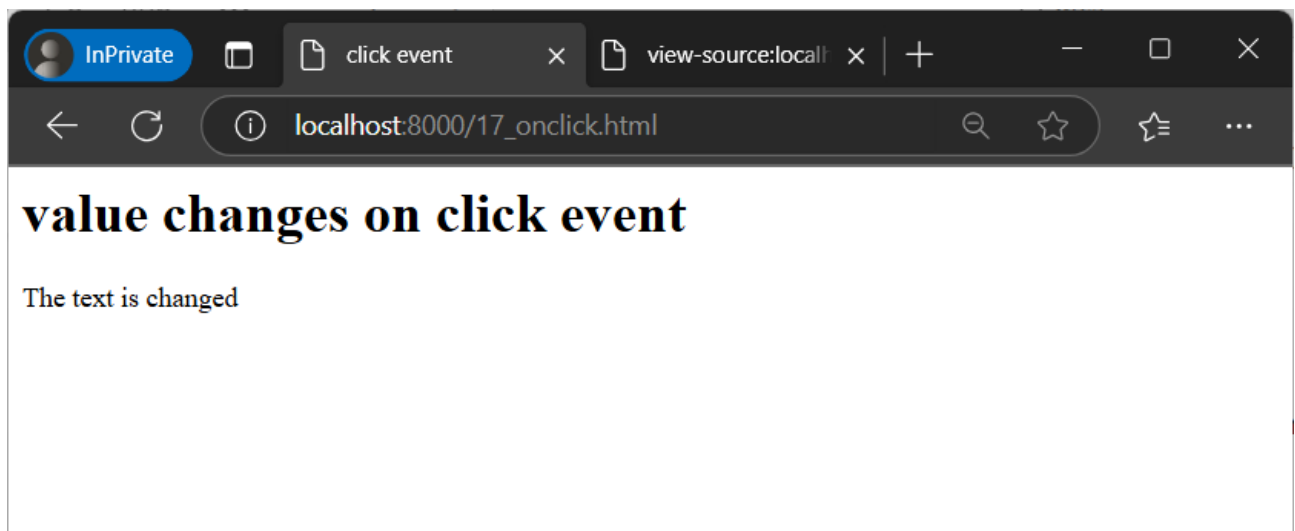
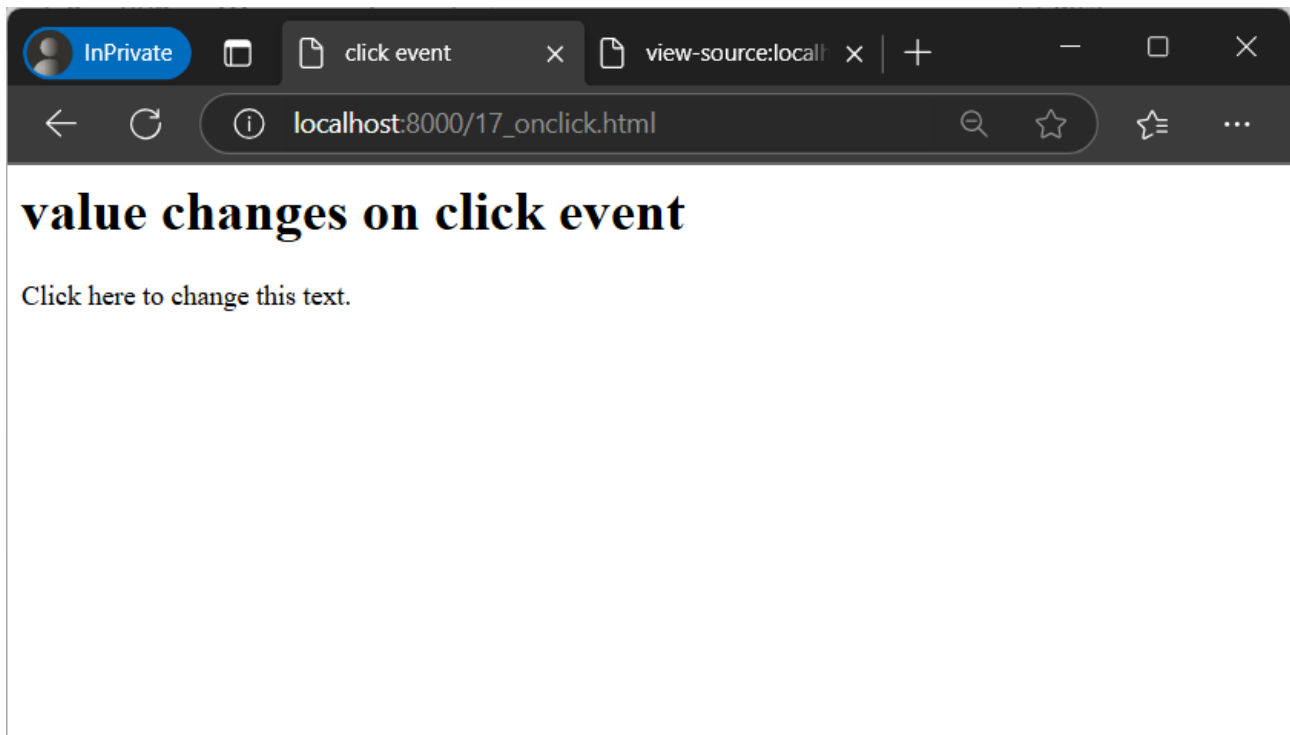
```
<html>

<body>
  <title>click event</title>
  <h1>value changes on click event</h1>
  <p id="para1" onclick="Fun()">Click here to change this text.
  <p>
    <script>
      function Fun() {
        document.getElementById("para1").innerHTML = "The text is changed";
      }
    </script>
  </body>

</html>
```

Output:

MS Edge browser



Q18) adding event listener

```
<html>
<title>adding event listener</title>

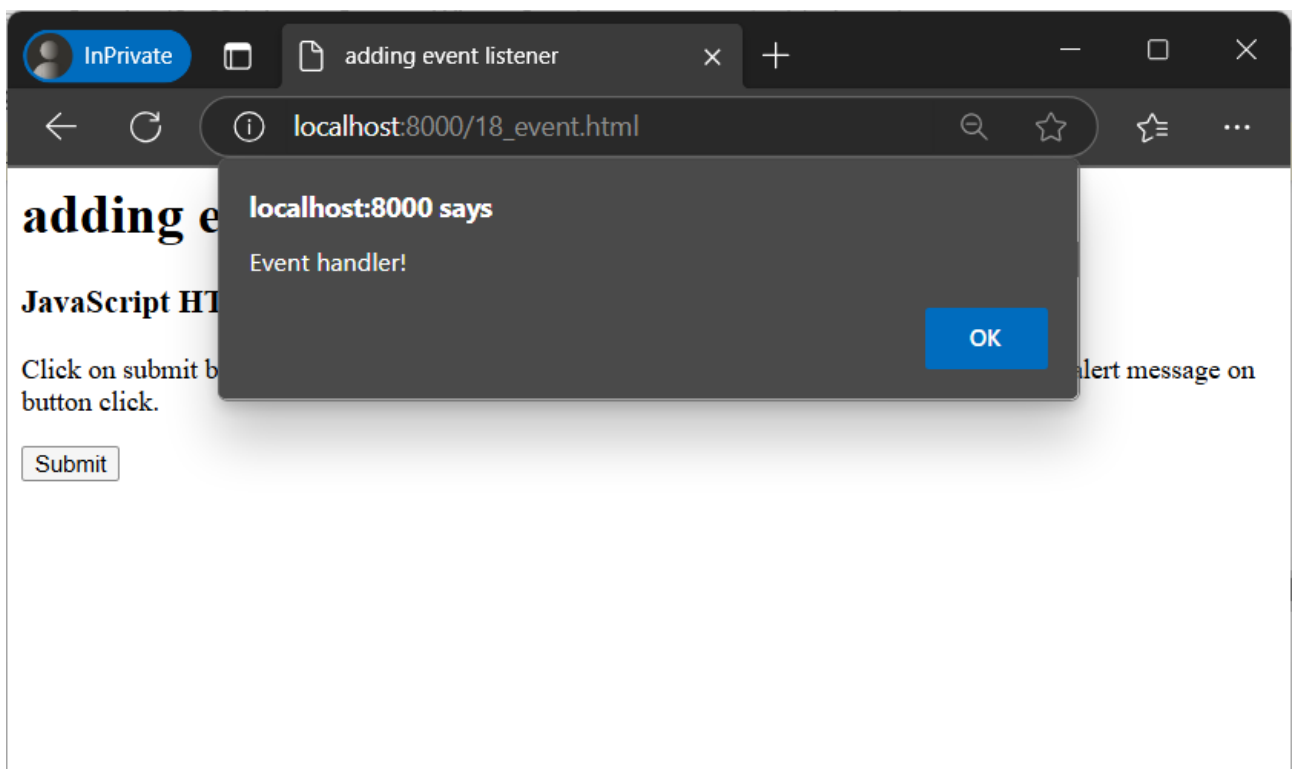
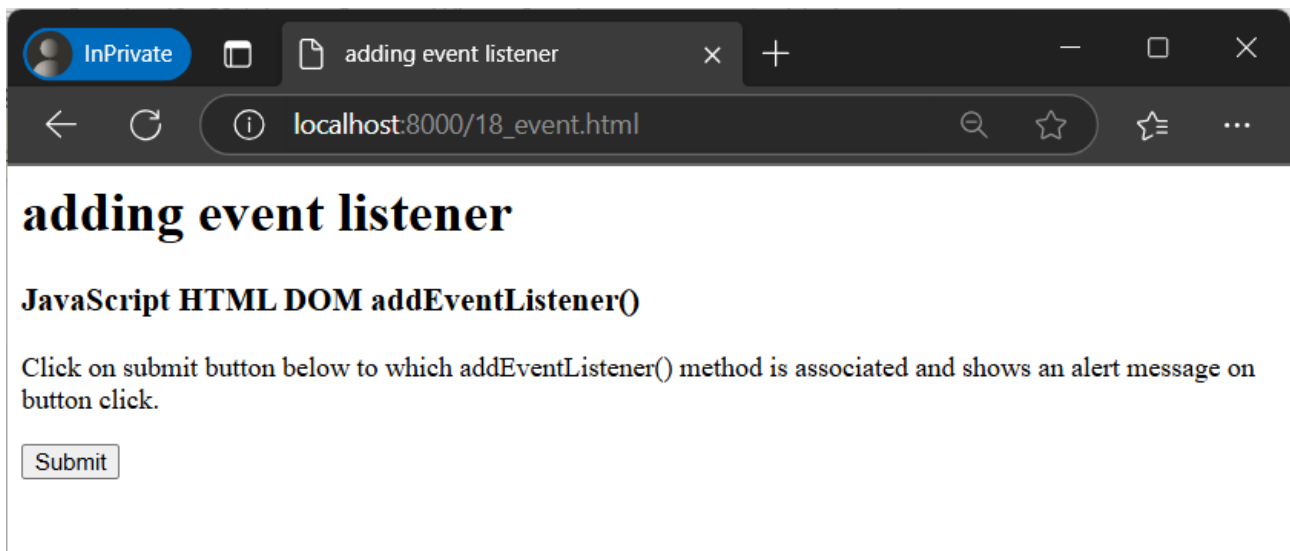
<body>
  <h1> adding event listener</h1>
  <h3>JavaScript HTML DOM addEventListener()</h3>
  <p>Click on submit button below to which addEventListener() method is associated and shows
an alert message on
  button click.</p>
  <button id="btn1">Submit</button>

  <script>
    document.getElementById("btn1").addEventListener("click", abc);
    function abc() {
      alert("Event handler!");
    }
  </script>
</body>

</html>
```

Output:

MS Edge browser



Q19) multiple event listeners

```
<html>
<title>multiple event listener</title>

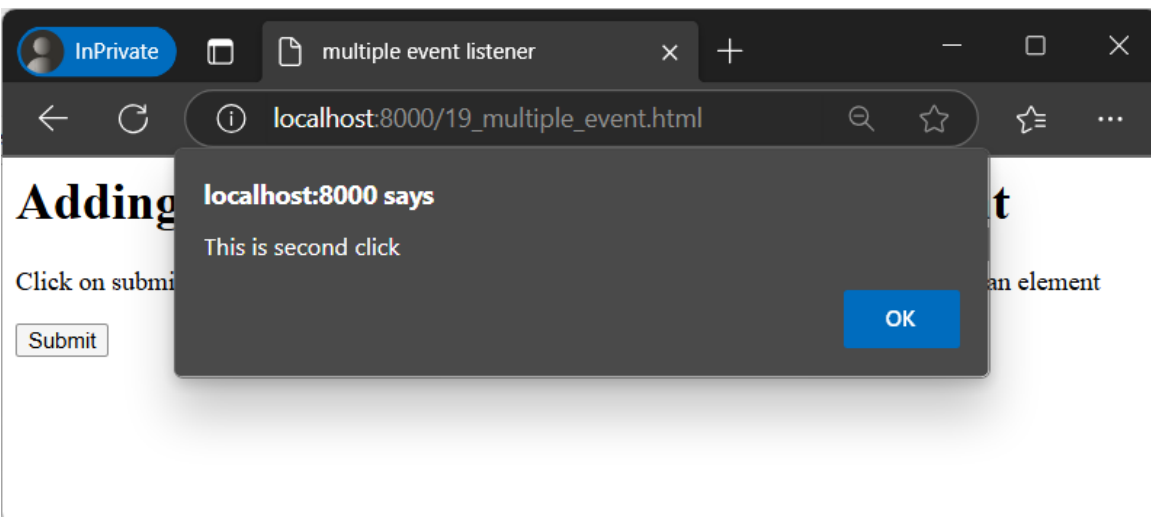
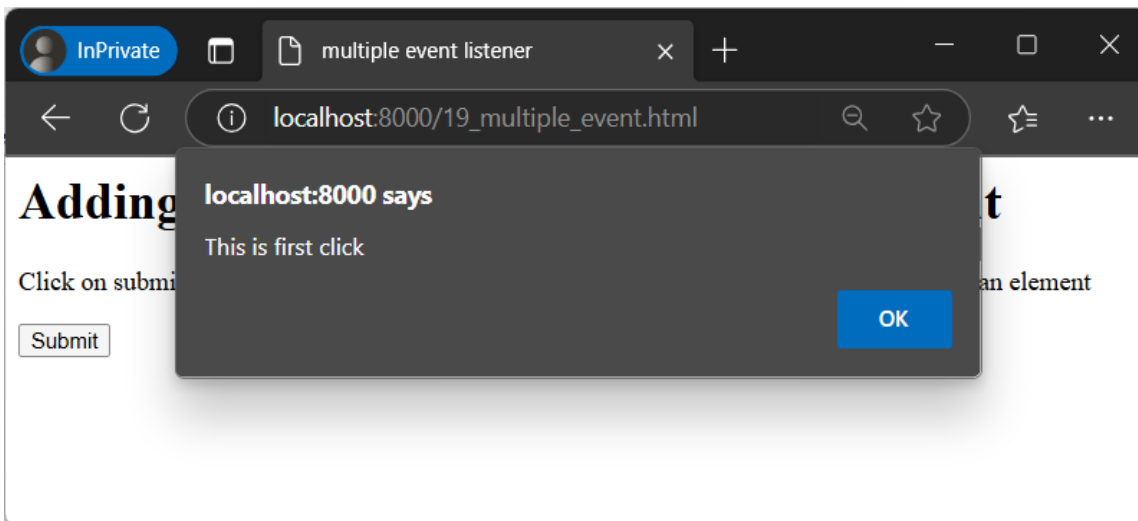
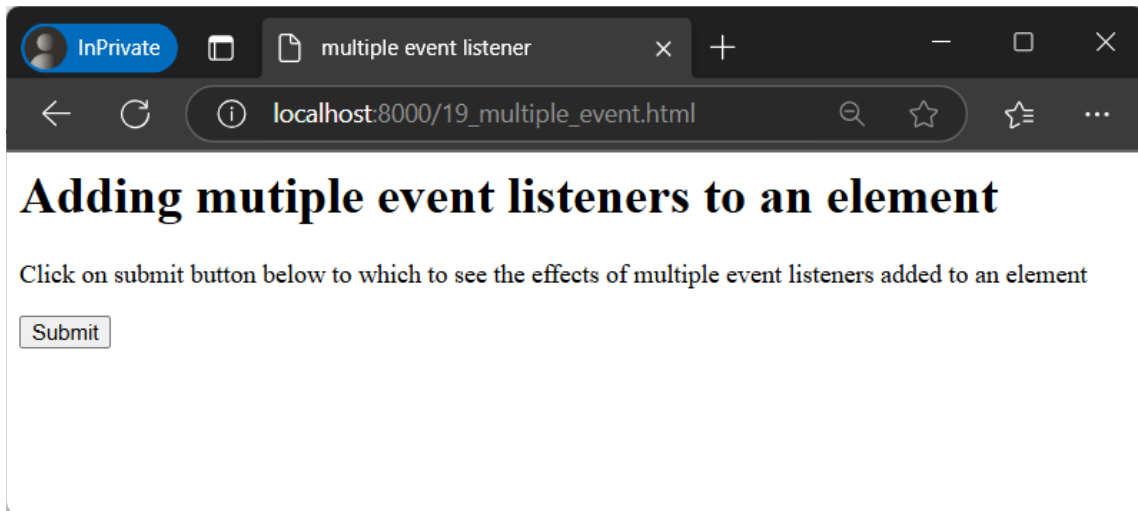
<body>
  <h1>Adding mutiple event listeners to an element</h1>
  <p>Click on submit button below to which to see the effects of multiple event listeners added to
an element</p>
  <button id="button1">Submit</button>
  <script>
    document.getElementById("button1").addEventListener("click", abc1);
    document.getElementById("button1").addEventListener("click", abc2);

    function abc1() {
      alert("This is first click");
    }
    function abc2() {
      alert("This is second click");
    }
  </script>
</body>

</html>
```


Output:

MS Edge browser

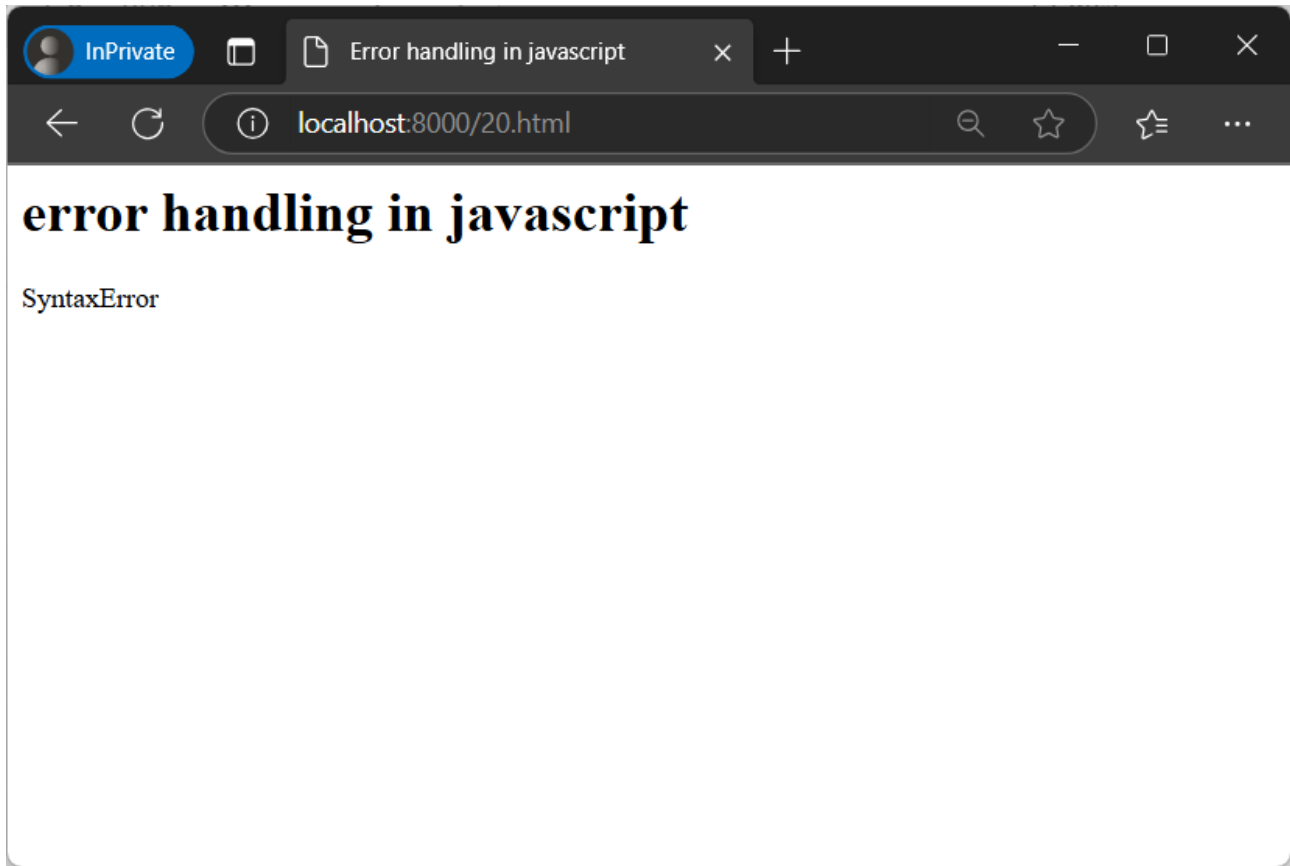


Q20) error handling in JavaScript

```
<html>
  <title> Error handling in javascript</title>
  <body>
    <h1>error handling in javascript</h1>
    <p id="para1"></p>
    <script>
      try {
        eval("2=x");
      }
      catch(err) {
        document.getElementById("para1").innerHTML = err.name;
      }
    </script>
  </body>
</html>
```

Output:

MS Edge browser



Q21) displaying object name using getter and setter in JavaScript

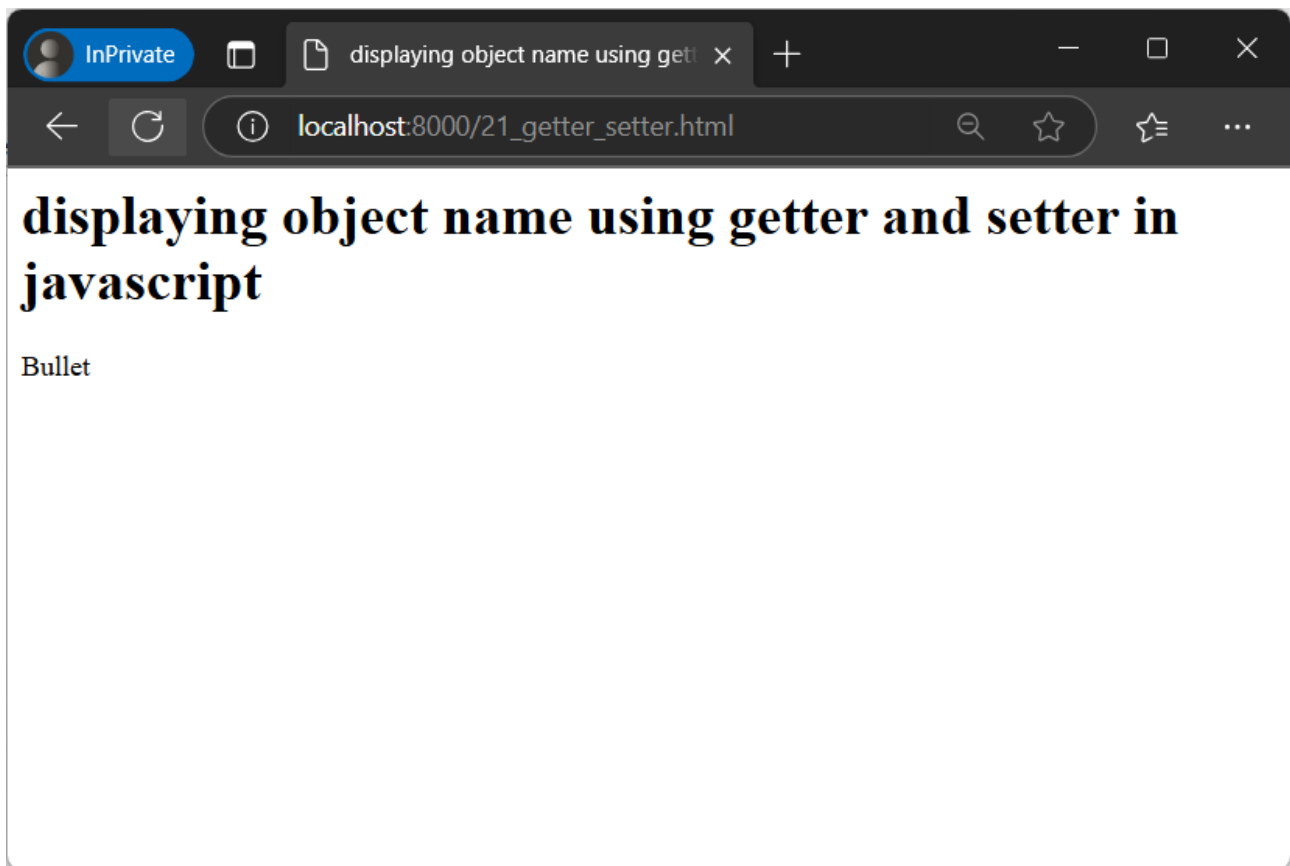
```
<html>
<title>displaying object name using getter and setter in javaScript</title>

<body>
  <h1>displaying object name using getter and setter in javascript</h1>
  <script>
    class Bike {
      constructor(make) {
        this.make = make;
      }
      get bname() {
        return this.make;
      }
      set bname(x) {
        this.make = x;
      }
    }
    var obj_bike = new Bike('xyz');
    obj_bike.bname = 'Bullet';
    document.write(obj_bike.bname);
  </script>
</body>

</html>
```

Output:

MS Edge browser



Q22) Creating class in JavaScript

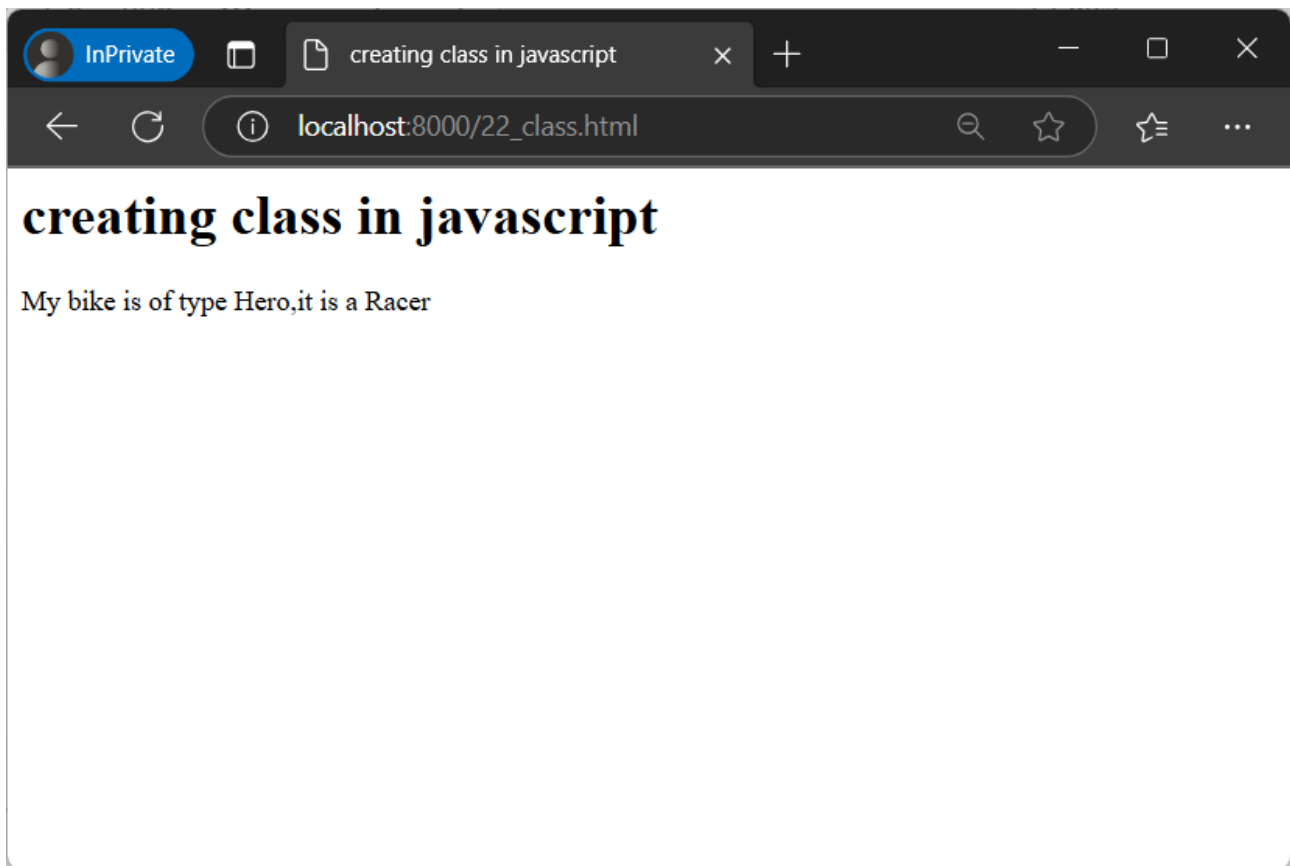
```
<html>
<title>creating class in javascript</title>

<body>
  <h1>creating class in javascript</h1>
  <script>
    class Bike {
      constructor(make) {
        this.make = make;
      }
      present() {
        return 'My bike is of type ' + this.make;
      }
    }
    class BikeType extends Bike {
      constructor(make, bike_type) {
        super(make);
        this.make = make;
        this.bike_type = bike_type;
      }
      show() {
        return this.present() + ',it is a ' + this.bike_type;
      }
    }
    var object_bike = new BikeType("Hero", "Racer");
    document.write(object_bike.show());
  </script>
</body>

</html>
```

Output:

MS Edge browser



Q23) callback with timeout in JavaScript

```
<html>
<title>
  callback with timeout in javascript
</title>

<body>
  <h1>callback with timeout() in javascript </h1>
  <p>please wait for 25 seconds(25000 milliseconds)</p>
  <script>
    setTimeout(abc, 25000);
    function abc() {
      document.write("This function was executed on timeout of 25 seconds");
    }
  </script>
</body>

</html>
```


Output:

MS Edge browser

