

WEB TECHNOLOGY

ASSIGNMENT 1

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EXAMPLE 1:

A screenshot of the Visual Studio Code interface. The Explorer sidebar on the left shows various files and folders. The main editor area displays the following HTML 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>
    This is my Example 1.
</body>
</html>
```

The status bar at the bottom indicates the code is at Line 9, Column 26, with 4 spaces, using UTF-8 encoding, and the port is 5500.

EXAMPLE 2:

A screenshot of the Visual Studio Code interface, similar to the previous one. The Explorer sidebar shows files like .vscode, C++, Development, and various JSON and HTML files. The main editor area displays the following HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" > <!-- Omitted closing tags for void element -->
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>examples</title>
</head>
<body>
    <!-- Omitted closing tags for void element -->
</body>
</html>
```

EXAMPLE 3 :

The screenshot shows the Visual Studio Code interface with the following details:

- EXPLORER** view: Shows a file tree with various files including `lap.css`, `box_model.html`, `assign.html`, and `forms.html`.
- CODE** view: Displays the `forms.html` file content.
- BROWSER** view: Shows a preview of the `forms.html` page at `127.0.0.1:5500/Development/vscode/forms.html`.

forms.html Content:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Forms and Input tags</title>
</head>
<body>
  <h3>this is myHTML Tags </h3>
  <form action="backend.php">
    <label for="Name">Name </label>
    <input type="text" id="name" name="myName" />
    <br>
    <label for="Role">Role: </label>
    <input type="text" name="myRole" />
    <br>
    <div>
      <label for="myNumber">Phone no:</label>
      <input type="number" Name="myNumber" id="myNumber" />
    </div>
    <br>
    <div>
      <label for="email">Email:</label>
      <input type="email" Name="myEmail" id="myEmail" />
    </div>
    <br>
    <div>
      <label for="mydate"> myDOB:</label>
      <input type="date" name="Mydate" id="mydate" />
    </div>
    <br>
    <div>
      <label for="elig">Are You Eligible ?</label>
      <input type="checkbox" name="MyEligibility" id="elig" checked="checked" />
    </div>
    <br>
    <div>
      <label for="Company"> Company : </label>
      <input type="radio" name="myRadio" value="Tata" checked="checked" />
      <input type="radio" name="myRadio" value="mahindra" />
    </div>
    <br>
    <div>
      <label for="about">Write about yourself :-</label>
      <input type="text" name="textareas" cols="30" rows="10" />
    </div>
    <br>
    <div>
      <input type="submit" value="submit" />
      <input type="reset" value="reset" />
    </div>
  </form>
</body>
```

EXAMPLE 4 :

The screenshot shows the VS Code interface with the 'forms.html' file open in the editor. The code contains various HTML tags including forms, input fields, and checkboxes. To the right, a browser window displays the rendered form with fields for Name, Role, Phone no., Email, myDOB, and a textarea for a bio, along with a radio button group for Company and a dropdown for Car.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Forms and Input tags</title>
</head>
<body>
    <h3>this is myHTML Tags </h3>
    <form action="backend.php">
        <label for="name">Name </label>
        <input type="text" id="name">
        <br>
        <br>
        <div> Role: <input type="text" name="myRole" /></div>
        <br>
        <div>
            <label for="myNumber">Phone no:</label>
            <input type="number" Name="myNumber" id="myNumber"/></div>
        <br>
        <div>
            <label for="email">Email:</label>
            <input type="email" Name="myEmail" id="email"/></div>
        <br>
        <div>
            <label for="mydata"> myDOB</label>
            <input type="date" name="mydate" id="mydata"/>
        </div>
        <br>
        <div>
            <label for="elig">Are You Eligible ?</label>
            <input type="checkbox" name="myEligibility" id="elig"/>
        </div>
        <br>
        <div>
            Company : Tata <input type="radio" name="myRadio" />
            mahindra<input type="radio" name="myRadio" />
        </div>
        <br>
        <div>
            Write about yourself :- <br> <textarea name="textarea" cols="40" rows="5" />
        </div>
        <br>
    </form>
    <div> Car : Ferrari </div>

```

EXAMPLE 5 :

The screenshot shows the VS Code interface with the 'assign1.html' file open in the editor. The code includes a navigation bar with three items: Home, About, and Contact. Below it is a section for 'About Us' containing a paragraph of placeholder text. The browser preview shows a simple welcome page with the title 'WELCOME TO MY WEBSITE' and the navigation menu.

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My 1st HTML page</title>
</head>
<body>
    <h1>WELCOME TO MY WEBSITE </h1>
    <nav class="crumbs">
        <ol>
            <li><a href="#home">Home</a></li>
            <li><a href="#about">About</a></li>
            <li><a href="#contact"> Contact</a></li>
        </ol>
    </nav>
    <h3>About Us</h3>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Adipisci, quas.</p>
    <footer><p>© 2023 My Website. All rights reserved.</p></footer>
</body>
</html>

```

EXAMPLE 6:

```

<!DOCTYPE html>
<meta http-equiv="Content-Language" content="en">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta name="robots" content="index, follow">
<meta name="author" content="Aditya">
<title>Document</title>
<h1>META TAGS</h1>

```

EXAMPLE 7 :

```

<nav class="crumbs">
    <ol>
        <li><a href="#">Home</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact</a></li>
    </ol>
</nav>
<h3>About Us</h3>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Temporibus quis ipsa? © 2023 My Website. All rights reserved.</p>

```

EXAMPLE 8 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.>
6   <title>Document</title>
7 </head>
8 <body>
9   <main>
10    <h1>Main Content Heading</h1>
11    <p>Main content goes here.</p>
12  </main>
13 </body>
14 </html>
15

```

EXAMPLE 9 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.>
6   <title>Document</title>
7 </head>
8 <body>
9   <aside>
10    <h2>Related Information</h2>
11    <p>Lorem ipsum dolor sit amet.</p>
12  </aside>
13 </body>
14 </html>
15

```

EXAMPLE 10 : EXAMPLE 11 :

Screenshot of VS Code showing the development environment for a web project.

Explorer View:

- CODING
 - > vscode
 - > C++
 - > Development
 - vscode
 - c_cpp_properties.json
 - fmc.png
 - forms.html
 - launch.json
 - settings.json
 - style.css
 - tasks.json
 - tut5.html
 - tut6.html
 - assign.html
 - border.html
 - border.html
 - color.css
 - css.html
 - developer_tools.html
 - entities.html
 - first.js
 - fmc.png
 - fonts.html
 - idkclass.html
 - imagepa.html
 - inline.html
 - lap.css
 - style.css
 - adit.html
 - fmc.png

Code Editor:

```

border.html  imagepa.html  lap.css  box_model.html
Development > imagepa.html > html > body > div#parent > div#imageabc
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>image lap </title>
7    <link rel="stylesheet" href="lap.css">
8  </head>
9  <body>
10 <h3>Heading learning image overlapping</h3>
11 <div id="parent">
12   <div class="red"></div>
13   <div class="green"></div>
14   <div id="imageabc"></div>
15 </div>
16 </body>
17 </html>
18

```

Browser Preview:

The browser preview shows a green rectangular background at the top and a red rectangular background below it. Inside the green area, there is a small image of a person's head and shoulders.

Screenshot of VS Code showing the development environment for a web project.

Explorer View:

- CODING
 - > vscode
 - > C++
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 - border.html
 - border.html
 - color.css
 - css.html
 - developer_tools.html
 - entities.html
 - first.js
 - fmc.png
 - fonts.html
 - idkclass.html
 - imagepa.html
 - inline.html
 - lap.css
 - style.css
 - adit.html
 - fmc.png

Code Editor:

```

border.html  inline.html  imagepa.html  lap.css  box
Development > inline.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>inline </title>
7  </head>
8  <body>
9    <span>aditya kumar</span>
10   <span>simran kumari</span>
11   <span style="border: 2px solid #greenyellow">this is my paragraph</span>
12   <span style="border: 2px solid #yellowheee">this is something looks like yellow heeee</span>
13   <span style="background-color: #ffff00"> pta nai kya hoga</span>
14
15 </body>
16 </html>

```

Browser Preview:

The browser preview displays the text "aditya kumar" and "simran kumari" in black font. Below this, a red box contains the text "this is my paragraph". Underneath, a yellow box contains the text "this is something looks like yellow heeee pta nai kya hoga".

EXAMPLE 12 :

The screenshot shows the Visual Studio Code interface. On the left is the Explorer sidebar with project files like 'Development', 'vscode', 'C++', and 'Development'. The main area shows the code for 'assign1.html'.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>AUDIO</title>
</head>
<body><audio controls>
    <source src="edgecountdown_tension_soundidemusic.mp3" type="audio/mp3">
        Your browser does not support the audio tag.
    </audio>
</body>
</html>
```

To the right is a browser window displaying the rendered HTML. The browser toolbar includes back, forward, search, and refresh buttons. The address bar shows the URL `127.0.0.1:5500/Development/assign1.html`. The video player controls show a play button, a progress bar at 0:00 / 0:00, and a volume icon.

EXAMPLE 13 :

This screenshot is identical to the one above, showing the 'assign1.html' file in VS Code and its preview in a browser window. The code and browser output are the same.

EXAMPLE 14 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>AUDIO</title>
7 
8 </head><body><video controls width="600" height="300">
9   <source src="C:/Users/Aditya/Downloads/Untitled video - Made with Clipchamp.mp4"/>
10  Your browser does not support the video tag.
11  <track kind="captions" label="English" src="captions.vtt" srclang="en"
12  default>
13 
14 </body>
15 </html>

```

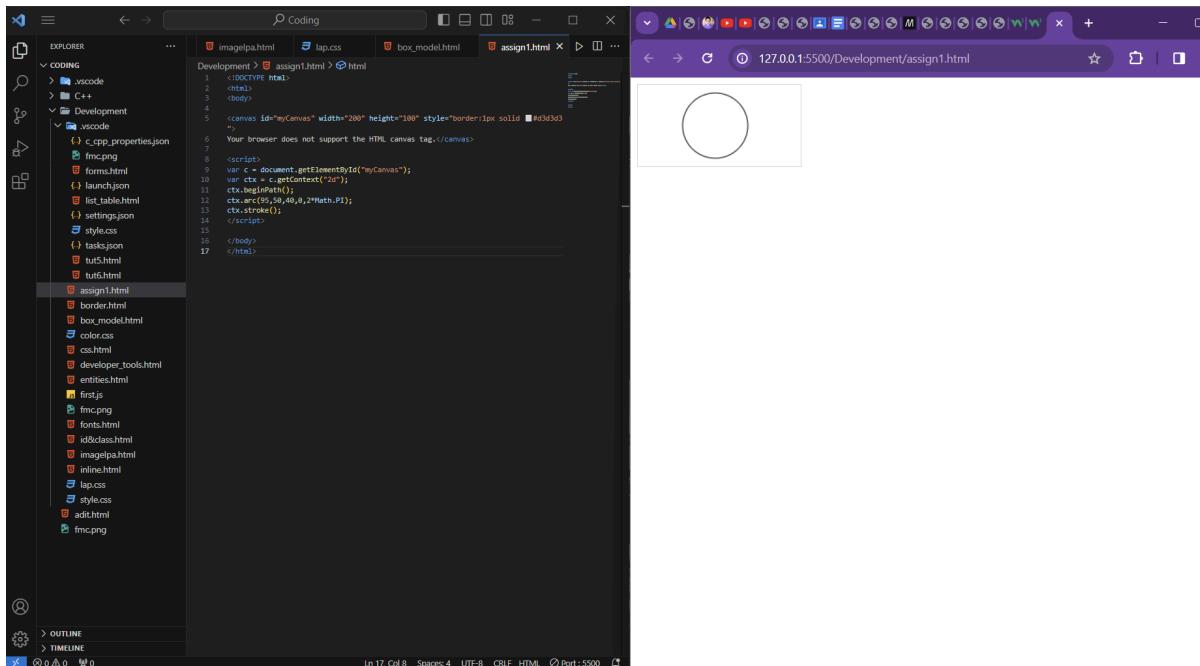
EXAMPLE 15 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>AUDIO</title>
7 
8 </head><body><video controls width="600" height="300">
9   <source src="C:/Users/Aditya/Downloads/Untitled video - Made with Clipchamp.mp4"/>
10  Your browser does not support the video tag.
11  <track kind="captions" label="English" src="captions.vtt" srclang="en"
12  default>
13 
14 <div>
15   
16 </div>
17 
18 </body>
19 </html>

```

EXAMPLE 16 :

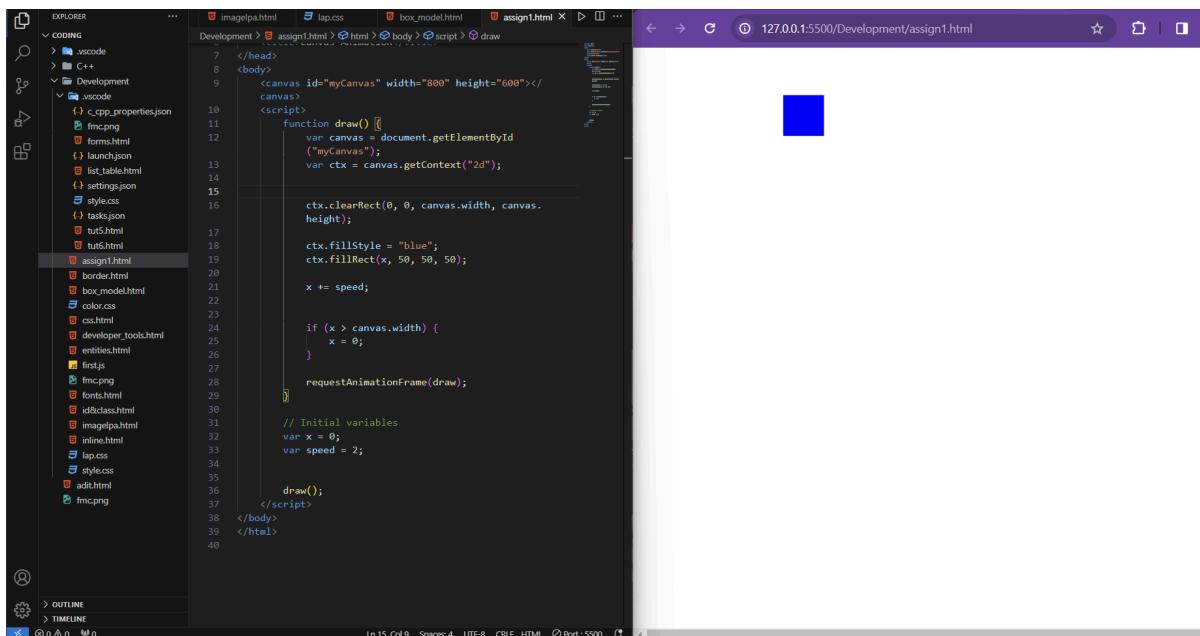


```

<!DOCTYPE html>
<html>
<body>
<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000;"></canvas>
Your browser does not support the HTML canvas tag.</body>
</html>

```

EXAMPLE 17 :



```

<!DOCTYPE html>
<html>
<body>
<script>
function draw() {
    var canvas = document.getElementById("myCanvas");
    var ctx = canvas.getContext("2d");

    ctx.clearRect(0, 0, canvas.width, canvas.height);

    ctx.fillStyle = "blue";
    ctx.fillRect(50, 50, 50, 50);

    x += speed;

    if (x > canvas.width) {
        x = 0;
    }

    requestAnimationFrame(draw);
}

// Initial variables
var x = 0;
var speed = 2;

draw();
</script>
</body>
</html>

```

EXAMPLE 18 :

EXAMPLE 18 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width,
6     initial-scale=1.0">
7 </head>
8 <body>
9   <svg width="200" height="200" xmlns="http://www.w3.org/
10    2000/svg">
11     <rect x="10" y="10" width="50" height="50"
12       fill="blue" />
13
14     <circle cx="120" cy="70" r="30" fill="red" />
15
16     <text x="30" y="160" fill="black">Hello, SVG!</text>
17   </svg>
18 </body>
19 </html>

```

EXAMPLE 19 :

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width,
6     initial-scale=1.0">
7 </head>
8 <body>
9   <svg width="200" height="200" xmlns="http://www.w3.org/
10    2000/svg">
11     <rect width="100" height="100" fill="blue" />
12     <circle cx="50" cy="50" r="40" fill="green" />
13     <path d="M10 80 Q 95 10 180 80" fill="transparent"
14       stroke="black" />
15     <text x="20" y="40" font-family="Arial"
16       font-size="20" fill="red">Hello, SVG!</text>
17   </svg>
18 </body>
19 </html>

```

EXAMPLE 20 :

The screenshot shows the Visual Studio Code interface with the following details:

- EXPLORER** sidebar: Lists various files and folders, including `vscode`, `c++`, `Development`, and several `.html` files like `assign1.html`, `border.html`, `box_model.html`, etc.
- CODING** tab: Shows the `assign1.html` file content in the editor.

```
<!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="red" />
</svg>
<h4>simple red circle </h4>
</body>
</html>
```
- BROWSER** tab: Displays the rendered output of `assign1.html` in a browser window titled "SVG Example". It features a large red circle centered at (100, 100) with a radius of 80 pixels, accompanied by the text "simple red circle".