

EXP : 1 Date:	Create a web page to embed a map along with hot spot, frames & links.
------------------	---

### **AIM :**

The objective of this experiment is to develop a dynamic and engaging webpage by embedding an interactive image map.

### **ALGORITHM :**

#### **1. Start**

- Open an HTML document using `<html>`, `<head>`, and `<body>` tags.
- Set up the document title inside the `<title>` tag.

#### **2. Adding a Heading and Description**

- Use the `<h1>` tag for the main heading.
- Use the `<p>` tag to describe the purpose of the webpage.

#### **3. Embedding an Image for Mapping**

- Insert an image using the `<img>` tag.
- Assign a `usemap` attribute to link the image to a corresponding `<map>` element.
- Define appropriate `width` and `height` for the image.

#### **4. Creating an Interactive Map with Hotspots**

- Use the `<map>` tag with a unique `name` attribute.
- Define multiple clickable areas within the image using `<area>` tags:
- Specify the `shape` attribute (`rect`, `circle`, or `poly`).
- Set `coords` (coordinates) for defining the clickable region.
- Use the `href` attribute to link each area to a relevant webpage.
- Optionally, provide an `alt` attribute for accessibility.

#### **5. Adding External and Internal Links**

- Use `<a>` tags to include hyperlinks to external websites.
- Internal navigation can also be implemented by linking different sections within the same page.

#### **6. Enhancing with Styling (Optional)**

- Use internal or external CSS (`<style>` tag or a separate `.css` file) to enhance the appearance of the map and its hotspots.

#### **7. End**

- Properly close all opened HTML tags to maintain a structured and functional webpage.

## CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Interactive PC Setup</title>
</head>
<body>

  <h1>Explore the Customized PC Setup</h1>
  <p>Click on different parts of the setup to learn more.</p>

  <map name="pcmap">
    <area shape="rect" coords="200,100,400,200" alt="Monitor" href="monitor.html">
    <area shape="rect" coords="80,80,180,180" alt="CPU" href="cpu.html">

  </map>

  <a href="https://example.com">Visit Our Official Website</a>

</body>
</html>
```

## Monitor.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Samsung G3 Monitor Details</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 20px;
    background-color: #f4f4f4;
  }
  h1 {
    color: #333;
    text-align: center;
  }
  table {
    width: 80%;
    margin: 0 auto;
    border-collapse: collapse;
    background-color: #fff;
  }
  th, td {
    padding: 10px;
    text-align: left;
    border: 1px solid #ddd;
  }
```

```
th {
  background-color: #4CAF50;
  color: white;
}
tr:nth-child(even) {
  background-color: #f2f2f2;
}
.back-link {
  display: block;
  text-align: center;
  margin-top: 20px;
}
.back-link a {
  color: #4CAF50;
  text-decoration: none;
  font-weight: bold;
}
.back-link a:hover {
  text-decoration: underline;
}
</style>
</head>
<body>

<h1>Samsung G3 Monitor Specifications</h1>

<table>
  <tr>
    <th>Specification</th>
    <th>Details</th>
  </tr>
  <tr>
    <td>Model</td>
    <td>Samsung Odyssey G3</td>
  </tr>
  <tr>
    <td>Screen Size</td>
    <td>27 inches</td>
  </tr>
  <tr>
    <td>Resolution</td>
    <td>1920 x 1080 (Full HD)</td>
  </tr>
  <tr>
    <td>Refresh Rate</td>
    <td>165Hz</td>
  </tr>
  <tr>
    <td>Response Time</td>
    <td>1ms (GTG)</td>
  </tr>
  <tr>
    <td>Panel Type</td>
    <td>VA (Vertical Alignment)</td>
  </tr>
```

```
<tr>
  <td>Aspect Ratio</td>
  <td>16:9</td>
</tr>
<tr>
  <td>Brightness</td>
  <td>250 cd/m²</td>
</tr>
<tr>
  <td>Ports</td>
  <td>1x HDMI 2.0, 1x DisplayPort 1.2</td>
</tr>
<tr>
  <td>Compatibility</td>
  <td>AMD FreeSync, NVIDIA G-Sync Compatible</td>
</tr>
<tr>
  <td>Price</td>
  <td>$249.99</td>
</tr>
</table>

<div class="back-link">
  <a href="index.html">Back to PC Setup</a>
</div>
```

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

### CPU.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PC Setup - Detailed Specifications</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
      background-color: #f4f4f4;
    }
    h1 {
      color: #333;
      text-align: center;
    }
    table {
      width: 80%;
      margin: 0 auto;
      border-collapse: collapse;
      background-color: #fff;
    }
    th, td {
      padding: 10px;
      text-align: left;
      border: 1px solid #ddd;
    }
  </style>
```

```
th {
  background-color: #4CAF50;
  color: white;
}
tr:nth-child(even) {
  background-color: #f2f2f2;
}
.back-link {
  display: block;
  text-align: center;
  margin-top: 20px;
}
.back-link a {
  color: #4CAF50;
  text-decoration: none;
  font-weight: bold;
}
.back-link a:hover {
  text-decoration: underline;
}
</style>
</head>
<body>

<h1>PC Setup - Detailed Specifications</h1>

<table>
  <tr>
    <th>Specification</th>
    <th>Details</th>
  </tr>
  <tr>
    <td>Processor (CPU)</td>
    <td>AMD Ryzen 9 9900X</td>
  </tr>
  <tr>
    <td>Graphics Card (GPU)</td>
    <td>NVIDIA GeForce RTX 4070 Super</td>
  </tr>
  <tr>
    <td>Motherboard</td>
    <td>ASUS ROG Strix X570-E</td>
  </tr>
  <tr>
    <td>RAM</td>
    <td>32GB Corsair Vengeance DDR4 3600MHz</td>
  </tr>
  <tr>
    <td>Storage (SSD)</td>
    <td>1TB Samsung 970 EVO NVMe SSD</td>
  </tr>
  <tr>
    <td>Storage (HDD)</td>
    <td>2TB Seagate Barracuda</td>
  </tr>
  <tr>
    <td>Power Supply</td>
    <td>750W EVGA SuperNOVA 80+ Gold</td>
  </tr>
```

```
<tr>
  <td>Case (Cabinet)</td>
  <td>NZXT H510 Elite Mid Tower</td>
</tr>
<tr>
  <td>Cooling System</td>
  <td>Corsair iCUE H100i Elite Capellix Liquid Cooler</td>
</tr>
<tr>
  <td>Operating System</td>
  <td>Windows 10 Pro</td>
</tr>
<tr>
  <td>Price</td>
  <td>$3,499.99</td>
</tr>
</table>
```

```
<div class="back-link">
  <a href="index.html">Back to PC Setup</a>
</div>
```

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

## OUTPUT :

### Explore the Customized PC Setup

Click on different parts of the setup to learn more.



[Visit Our Official Website](#)

Monitor page:

Samsung G3 Monitor Specifications

Specification	Details
Model	Samsung Odyssey G3
Screen Size	27 inches
Resolution	1920 x 1080 (Full HD)
Refresh Rate	165Hz
Response Time	1ms (GTG)
Panel Type	VA (Vertical Alignment)
Aspect Ratio	16:9
Brightness	250 cd/m²
Ports	1x HDMI 2.0, 1x DisplayPort 1.2
Compatibility	AMD FreeSync, NVIDIA G-Sync Compatible
Price	\$249.99

Back to PC Setup

Cpu Page:

PC Setup - Detailed Specifications

Specification	Details
Processor (CPU)	AMD Ryzen 9 9900X
Graphics Card (GPU)	NVIDIA GeForce RTX 4070 Super
Motherboard	ASUS ROG Strix X570-E
RAM	32GB Corsair Vengeance DDR4 3600MHz
Storage (SSD)	1TB Samsung 970 EVO NVMe SSD
Storage (HDD)	2TB Seagate Barracuda
Power Supply	750W EVGA SuperNOVA 80+ Gold
Case (Cabinet)	NZXT H510 Elite Mid Tower
Cooling System	Corsair iCUE H100i Elite Capellix Liquid Cooler
Operating System	Windows 10 Pro
Price	\$3,499.99

Back to PC Setup

Result:  
Thus, the given task is executes successfully.

EXP: 1b	Create a web page using an embedded, external and inline CSS file.
---------	--

**AIM:**

The objective of this experiment is to demonstrate the use of **inline, embedded, and external CSS** to enhance the appearance of a webpage.

**ALGORITHM:****1. Start**

- Open an HTML document and structure it using `<html>`, `<head>`, and `<body>` tags.
- Define the character encoding and viewport settings inside the `<meta>` tag to ensure proper rendering across devices.

**2. Implement External CSS**

- Create a separate CSS file (e.g., `styles.css`) containing all styles for the webpage.
- Link the external CSS file to the HTML document using the `<link>` tag inside the `<head>` section.

**3. Implement Embedded CSS**

- Use the `<style>` tag within the `<head>` section to define specific styles for elements such as headings, paragraphs, and navigation.

**4. Apply Inline CSS**

- Use the `style` attribute within HTML elements (e.g., `<p style="color: blue;">`) to apply quick, element-specific styles.

**5. Add and Structure Content**

- Include essential webpage elements such as:
- **Header** with a title and navigation menu (`<header>`, `<nav>`, `<ul>`, `<li>`).
- **Main Content** section (`<section>`) with headings and paragraphs to convey information.
- **Footer** to display copyright or additional links.

**6. Apply Styling Methods**

- Use **external CSS** for overall page layout and design consistency.
- Use **embedded CSS** for defining styles directly within the document, when necessary.
- Use **inline CSS** for one-time, unique styling on specific elements.

**7. End**

- Ensure all HTML tags are properly closed.
- Verify that all three CSS methods (inline, embedded, and external) are effectively applied to create a well-structured and visually appealing webpage.



## CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to Our Website</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header style="background-color: #4CAF50; padding: 20px; text-align: center;">
    <h1 style="color: white; font-size: 28px;">Welcome to Our Website</h1>
    <nav>
      <ul style="list-style-type: none; padding: 0;">
        <li style="display: inline; margin-right: 15px;">
          <a href="index.html" style="color: white; text-decoration: none; font-weight:
bold;">Home</a>
        </li>
        <li style="display: inline; margin-right: 15px;">
          <a href="about.html" style="color: white; text-decoration: none; font-weight:
bold;">About</a>
        </li>
        <li style="display: inline;">
          <a href="services.html" style="color: white; text-decoration: none; font-weight:
bold;">Services</a>
        </li>
      </ul>
    </nav>
  </header>

  <section class="home-content" style="padding: 20px; text-align: center;">
    <h2 style="color: #333;">Our Mission</h2>
    <p style="font-size: 18px; color: #666;">We provide the best services to help your
business grow.</p>
  </section>

  <footer style="background-color: #222; color: white; text-align: center; padding: 10px;">
    <p>&copy; 2025 Our Website. All rights reserved.</p>
  </footer>
</body>
</html>
```

## External css:

```
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  color: #333;
  margin: 0;
  padding: 0;
  text-align: center;
}
```

```
nav ul {  
  display: flex;  
  justify-content: center;  
  list-style: none;  
  background: #333;  
  padding: 10px;  
}
```

```
nav ul li {  
  margin: 0 15px;  
}
```

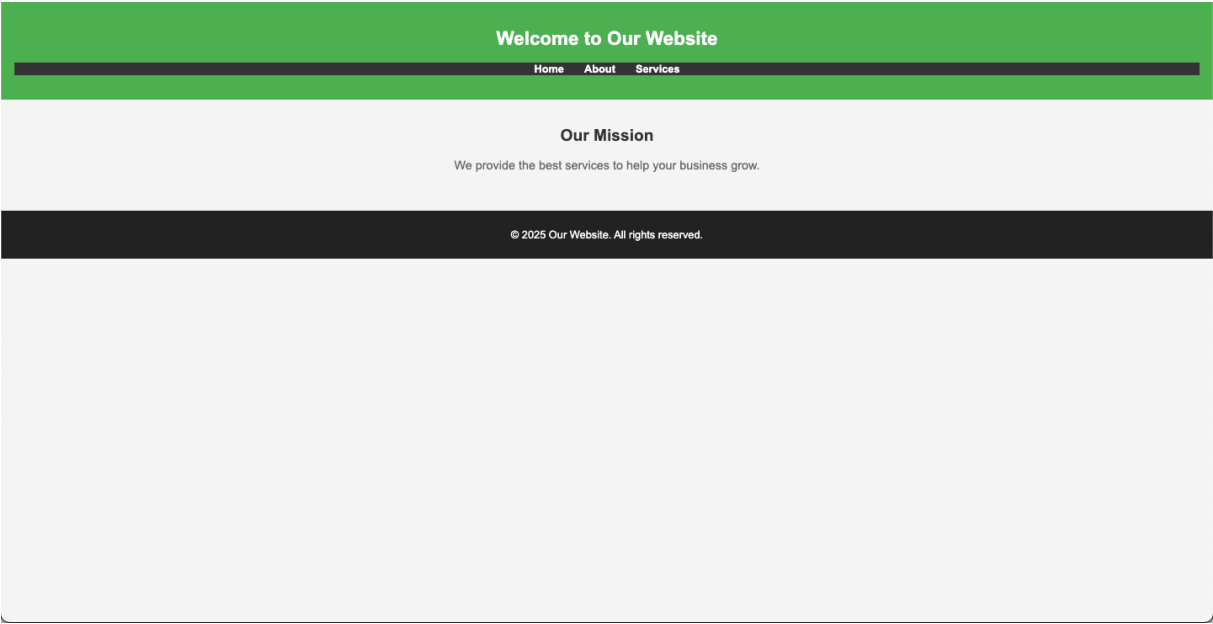
```
nav ul li a {  
  color: white;  
  text-decoration: none;  
  font-weight: bold;  
}
```

```
.services-grid {  
  display: grid;  
  grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));  
  gap: 20px;  
  padding: 20px;  
}
```

```
.service-box {  
  background: white;  
  padding: 20px;  
  border-radius: 8px;  
  box-shadow: 0px 0px 10px gray;  
}
```

```
footer {  
  background: #222;  
  color: white;  
  padding: 10px;  
  margin-top: 20px;  
}
```

OUTPUT:



RESULT:

Thus, the given task is executes successfully.