

EXP.NO: 1

DATE:

29/01/2025

Web Page Creation using HTML

AIM:

To create a web page using HTML that embeds a map with interactive hotspots, frames, and links. The page should use inline, internal, and external CSS for styling. This exercise helps in understanding multimedia integration, interactive elements, and different CSS techniques for web design.

ALGORITHM:

Create the HTML structure:

- Set up the basic HTML document with `<!DOCTYPE html>`, `<html>`, `<head>` and `<body>` tags.
- In the `<head>`, link the external CSS file (`<link>` tag), define the title, and include any metadata.
- In the `<body>` create the necessary elements:
 - 1) **Frames:** Use the `<iframe>` tag to create a frame layout (for older browsers, use `<frameset>` instead).
 - 2) **Map:** Use the `` tag to display a map.
 - 3) **Hotspots:** Create clickable regions using the `<map>` and `<area>` tags.
 - 4) **Links:** Add hyperlinks (`<a>`) to navigate to different parts of the page or external sites.
- **Create CSS Styles:**
- **External CSS:** In a separate file, define styles such as colors, fonts, and layout for the entire page.
- **Inline CSS:** Use the style attribute within specific tags to apply styles (e.g., in `<div>` or `<p>` tags).
- **Embedded CSS:** Inside the `<style>` tag in the `<head>` define styles for specific elements like the map, frames, and text.
- **Map with Hotspots:** Use the `<map>` tag to create an image map. Define the `<area>` tag for each hotspot, specifying the coordinates (e.g.,

coords="x,y,x2,y2");) for clickable areas on the map.

Frames:

- Use the <iframe> tag for embedding external content like a map or another webpage, with attributes such as src for the URL, width, and height.

Add Links:

- Inside the <body> use the <a> tag to create links for navigation (for example, to link to specific parts of the page or external sites).

Test the Page:

- Test the webpage to check the functionality of frames, hotspots, and links. Ensure that the map hotspots are clickable and the linked content displays correctly.

Ensure that the styles are applied properly using inline, embedded, and external CSS.

CODE:

```
<!DOCTYPE html>
<html>
<head>
  <title>College Event Registration</title>
  <!-- External CSS -->
  <link rel="stylesheet" href="style.css">
  <!-- Embedded CSS -->
  <style>
    body {
      background-color: #f4f8ff;
      font-family: Arial, sans-serif;
    }

    h1 {
      text-align: center;
      color: navy;
    }

    .nav {
      text-align: center;
```

```
}
```

```
.nav a {  
    margin: 0 10px;  
    text-decoration: none;  
    font-weight: bold;  
}
```

```
.form-box {  
    text-align: center;  
}
```

```
.map-box {  
    text-align: center;  
    margin-top: 20px;  
}
```

```
.map-box img {  
    border: 2px solid #333;  
    max-width: 100%;  
    height: auto;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>🎓 College Event Registration Portal</h1>
```

```
<!-- Inline CSS Example -->
```

```
<p style="text-align:center; color: green; font-weight: bold;">
```

Register for upcoming college events and explore campus locations.

```
</p>
```

<hr>

<!-- Navigation Links -->

<div class="nav">

Register |

Campus Map |

External Link

</div>

<hr>

<!-- Registration Section -->

<h2 id="register"> 📄 Event Registration Form</h2>

<form class="form-box">

Name: <input type="text" required>

Email: <input type="email" required>

Event:

<select>

<option>Tech Fest</option>

<option>Cultural Fest</option>

<option>Sports Meet</option>

</select>

<button type="submit">Register</button>

</form>

<hr>

<!-- Campus Map with Hotspots -->

<h2 id="map"> 🗺️ Campus Map with Hotspots</h2>

```
<div class="map-box">
  <iframe

src="https://www.google.com/maps?q=Rajalakshmi+Engineering+College+Chennai&output=embed"
width="100%"
height="450"
style="border:0;"
allowfullscreen=""
loading="lazy"
referrerpolicy="no-referrer-when-downgrade">
</iframe>

  <area shape="rect" coords="220,60,380,170"
    href="https://en.wikipedia.org/wiki/Auditorium"
    target="_blank"
    alt="Auditorium"
    title="Auditorium">

  <area shape="rect" coords="120,200,280,330"
    href="https://en.wikipedia.org/wiki/Cafeteria"
    target="_blank"
    alt="Cafeteria"
    title="Cafeteria">

</map>
</div>
```

```
<hr>
```

```
<!-- Event Preview Frame -->
```

```
<h2>  Event Preview Frame</h2>
```

```
<div style="text-align:center;">
```

```
  <iframe
    width="560"
```

```

height="315"

src="https://www.youtube.com/embed/ysz5S6PUM-U?rel=0"

allowfullscreen>
</iframe>
</div>

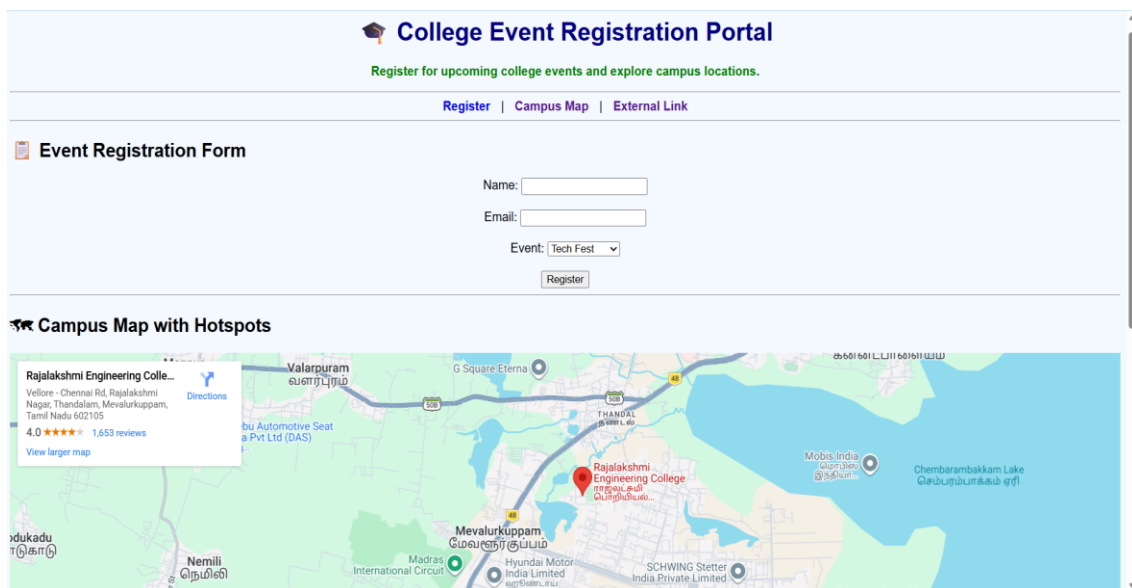
<hr>

<footer>
  <p style="text-align:center;">© 2026 College Event Portal</p>
</footer>

</body>
</html>

```

OUTPUT:



RESULT:

Html Page is created with embedded Chennai map along with hot spot, frames & links.