

EXP: 1 HTML & CSS

A) Create a Web Page to Embed a Map with Hotspots, Frames & Links

AIM:

Create a Web Page to Embed a Map with Hotspots, Frames & Links.

ALGORITHM:

Step 1: Create an HTML file (`index.html`).

- Define the document structure using `<html>`, `<head>`, and `<body>`.
- Set the page title and include internal CSS for basic styling.

Step 2: Embed an Image Map.

- Use the `` tag to insert an image (map).
- Define a `<map>` element with a `name` attribute.
- Add `<area>` elements inside the `<map>` with different **shapes** (rectangle, circle, polygon).
- Assign `href` attributes to the `<area>` elements to make them clickable.

Step 3: Create Hyperlinks.

- Add `<a>` tags that allow navigation to different pages.
- Use the `target` attribute to open the linked pages in a frame.

Step 4: Add an Inline Frame (`iframe`).

- Use the `<iframe>` tag to display linked pages within the same webpage.
- Set the `name` attribute for the `iframe` to target it from links.

Step 5: Create Additional Pages (`page1.html`, `page2.html`).

- Define a simple HTML structure.
- Apply **CSS styles** for a visually appealing design.
- Test the project to ensure the map hotspots and frames work correctly.

PROGRAM:

```
<!DOCTYPE html>
```

```
<html lang="en">

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

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Subject Entry Form</title>

  <style>

    * {
      margin: 0;
padding: 0;      box-sizing: border-
box;      font-family: "Poppins", sans-
serif;

    }          body {
background-color:      #f4f4f4;
display: flex;      justify-content:
center;      align-items: center;
height: 100vh;

    }

    .container {      width: 400px;
background: white;      padding: 20px;
border-radius: 10px;      box-shadow: 0px 4px
10px rgba(0, 0, 0, 0.2);

    }
    h2 {      text-align:
center;      color: #333;
margin-bottom: 20px;
```

```
        }      label {  
font-weight: bold;  
color: #555;      }      input,  
select {          width: 100%;  
padding: 10px;      margin-  
top: 5px;          margin-  
bottom: 15px;      border:  
1px solid #ccc;      border-  
radius: 5px;      font-size:  
16px;
```

```
        }      button {  
width: 100%;  
padding: 12px;  
background: #007bff;  
color: white;      border:  
none;      border-radius:  
5px;      font-size: 18px;  
cursor: pointer;  
transition: 0.3s;
```

```
        }  
        button:hover {  
background: #0056b3;  
  
        }
```

```
.message {
margin-top: 15px;
text-align: center;
color: green;      font-
weight: bold;

}

</style>

</head>

<body>

<div class="container">

<h2>📄 Subject Entry Form</h2>

<form id="subjectForm">

<label for="subjectCode">Subject Code:</label>

<input type="text" id="subjectCode" placeholder="Enter Subject Code" required>
<label for="subjectName">Subject Name:</label>

<input type="text" id="subjectName" value="WEB TECHNOLOGY AND MOBILE
APPLICATION" readonly>

<label for="category">Category:</label>

<select id="category">

<option value="AI-DS & AI-ML">Artificial Intelligence & Data Science /
Artificial Intelligence & Machine Learning</option>

</select>
```

```

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

</form>

<p class="message" id="message"></p>

</div>

<script>    document.getElementById("subjectForm").addEventListener("submit",
function(event)

{
    event.preventDefault(); // Prevent form from reloading

document.getElementById("message").textContent = "✔ Subject details submitted
successfully!";

});

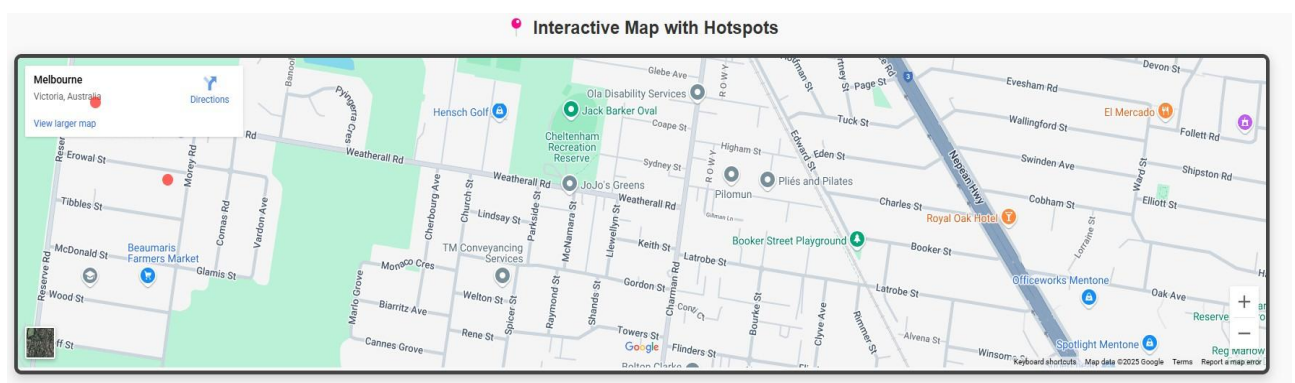
</script>

</body>

</html>

```

OUTPUT:





RESULT: The image map with hotspots, frames, and links is successfully created.

B) Create a Web Page Using Embedded, External & Inline CSS

AIM:

Create a Web Page Using Embedded, External & Inline CSS

ALGORITHM:

Step 1: Create an External CSS File (`style.css`).

- Define **body, headings, and paragraph styles** in `style.css`.
- Save the CSS file in the same directory as `index.html`.

Step 2: Create an HTML File (`index.html`).

- Define the structure using `<html>`, `<head>`, and `<body>`.
- Add a `<title>` tag for the page title.

Step 3: Link External CSS.

- Use `<link rel="stylesheet" href="style.css">` inside the `<head>` tag.

Step 4: Apply Embedded CSS.

- Add a `<style>` section inside `<head>`.
- Define styles for a **div box** with width, height, color, and border-radius.

Step 5: Apply Inline CSS.

- Use the `style` attribute in an HTML element (`<p>`) to apply color and font weight directly.

Step 6: Display Content.

- Use headings (`<h2>`) and paragraphs (`<p>`) to demonstrate different CSS types.
- Add a styled **div box** using embedded CSS.

Step 7: Test the Page.

- Open the HTML file in a browser to check if all styles (inline, embedded, external) are applied correctly.

PROGRAM:

INDEX.HTML:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Elegant CSS Styling Example</title>
```

```
<link rel="stylesheet" href="styles.css"> <!-- External CSS -->
```

```
<style>
```

```

        /* Embedded CSS */
        .embedded-style {
color: #007bff;          font-size: 20px;          font-
weight: bold;          text-align: center;
padding: 10px;          border: 2px solid #007bff;
border-radius: 5px;          width: 50%;
margin: 20px auto;          box-shadow: 0px 4px
10px rgba(0, 0, 0, 0.1);          background: #f0f8ff;

        }

</style>

</head>

<body style="background-color: #f8f9fa; font-family: 'Poppins', sans-serif; text-align: center;">

<h1 style="color: #ff5733; font-size: 28px;">★ Styled with Inline CSS ★</h1>
<p class="embedded-style">✦ This text is styled using Embedded CSS ✦</p>

<p class="external-style">☹ This text is styled using External CSS ☹</p>

</body>

</html>

```

STYLE.CSS:

```

.external-style {  color: #28a745;  font-size:
22px;  font-weight: bold;  text-align: center;
padding: 10px;  border: 2px solid #28a745;
border-radius: 5px;  width: 60%;  margin:
20px auto;  box-shadow: 0px 4px 10px

```



```
rgba(0, 0, 0, 0.1);    background: #e9ffe9;
```

```
transition: 0.3s;
```

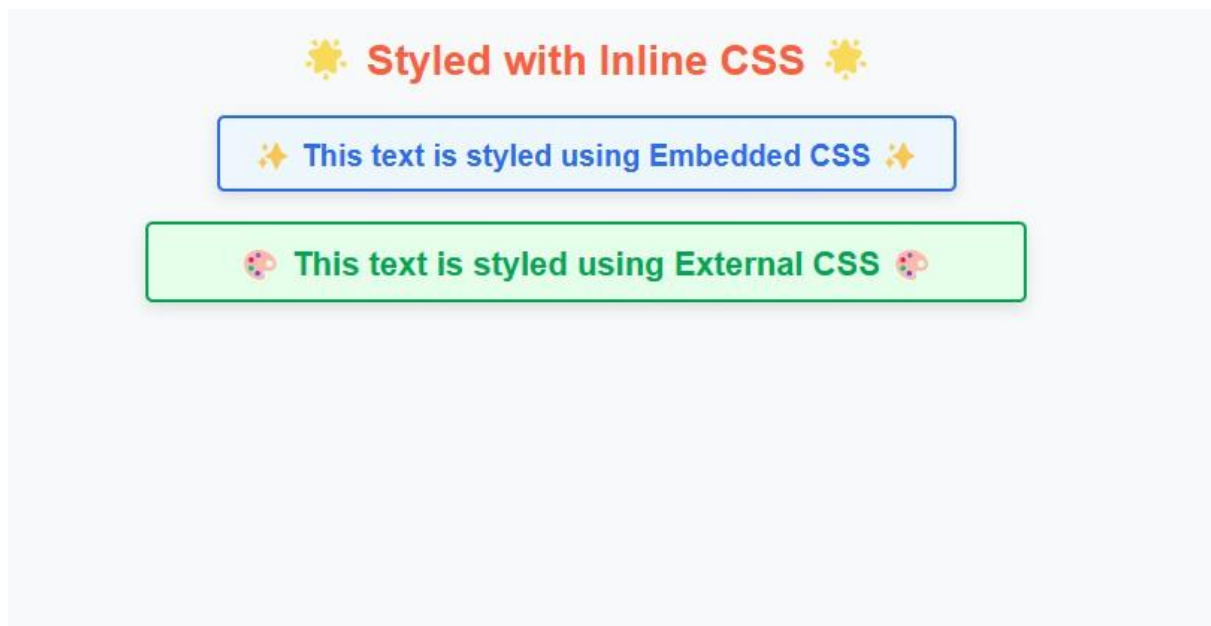
```
} external-style:hover {
```

```
background: #d4f8d4;
```

```
transform: scale(1.05);
```

```
}
```

OUTPUT:



RESULT: The webpage demonstrates external, embedded, and inline CSS styles effectively.