

WEB TECHNOLOGY AND MOBILE APPLICATION LAB EXPERIMENTS

1 HTML & CSS

- a) Create a web page to embed a map along with hot spot, frames & links.
- b) Create a web page using an embedded, external and inline CSS file.

AIM : To create a web page to embed a map along with hot spot frames and also create a web page using an embedded external css file

SOURCE CODE :

a) Web Page with Map, Hotspot, Frames, and Links

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Interactive Map Page</title>
</head>
<body style="font-family: Arial, sans-serif;">
```

```
<h1>Welcome to My Interactive Web Page!</h1>
```

```
<!-- Embed Google Map -->
<h2>Google Map</h2>
```

```
<iframe
  src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d387190.2799212799!2d-74.2598667!3d40.6976701!2m3!1f0!2f0!3f0!
3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c24fa6f87b0f83%3A0x6a0516e9e4fc299a!2sNew+York%2C+NY!5e0!3m2!1sen!2sus!
4v1556108238017"
  width="600" height="450"
  style="border:0;"
  allowfullscreen=""
  loading="lazy"></iframe>
```

<p>Here is an embedded map showing New York City. You can interact with it!</p>

```
<!-- Image Map Hotspot -->
<h2>Clickable Image Map</h2>

<map name="map1">
  <area shape="rect" coords="34,44,270,350" alt="Visit Example 1" href="https://www.example1.com" target="_blank">
  <area shape="circle" coords="400,200,50" alt="Visit Example 2" href="https://www.example2.com" target="_blank">
</map>
<p>Click on the image areas to visit different links!</p>
```

```
<!-- Frame Embed -->
<h2>Embedded Website in a Frame</h2>
<iframe src="https://www.example.com" width="600" height="400" style="border: 2px solid black;"></iframe>
<p>This frame displays content from an external site inside this page.</p>
```

```
<!-- Links Section -->
<h2>Useful Links</h2>
<ul>
  <li><a href="https://www.example1.com" target="_blank">Example 1</a></li>
```

```
</li><a href="https://www.example2.com" target="_blank">Example 2</a></li>
<li><a href="https://www.example3.com" target="_blank">Example 3</a></li>
</ul>
```

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

b) Web Page Using Embedded, External, and Inline CSS:

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

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

```
<!-- Embedded CSS -->
<style>
  body {
    background-color: lightblue;
    font-family: Arial, sans-serif;
  }
```

```
h1 {
```

```
    color: navy;
}
```

```
.container {
    padding: 20px;
    border: 2px solid black;
    margin-top: 20px;
}
```

```
.links ul {
    list-style-type: square;
}
</style>
</head>
<body>
```

```
<h1>Welcome to My Stylish Web Page</h1>
```

```
<div class="container" style="background-color: lightyellow;">
  <p>This div has an inline style applied to change its background color.</p>
</div>
```

```
<div class="links">
  <h2>Useful Links:</h2>
  <ul>
    <li><a href="https://www.example1.com" target="_blank">Visit Example 1</a></li>
    <li><a href="https://www.example2.com" target="_blank">Visit Example 2</a></li>
  </ul>
```

```
</div>
```

```
<p style="color: green; font-weight: bold;">This is an inline styled paragraph to demonstrate inline CSS.</p>
```

```
</body>
```

```
</html>
```

External CSS File (styles.css):

```
h1 {  
  color: darkred;  
}
```

```
p {  
  font-size: 18px;  
  color: black;  
}
```

```
ul {  
  font-size: 16px;  
  color: darkblue;  
}
```