

EXP : 1 Date:	Create a web page to embed a map along with hot spot, frames & links.
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### 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>
  <head>
    <title> HOTSPOT MAPPING </title>
  </head>
  <body>
    <center>
      <h1>India Hotspot </h1>
    </center><br>
    <center>
      
    </center>
    <map name="Indiamap">
      <area shape="circle" coords="655,830,20" alt="tamilnadu" href="Tamilnadu.html">
      <area shape="circle" coords="600,830,10" alt="kerala" href="Kerala.html">
      <area shape="circle" coords="590,690,30" alt="karanataka" href="karanataka.html">
    </map>
  </body>
</html>
```

```

<area shape="circle" coords="520,690,10" alt="goa" href="Goa.html">
<area shape="circle" coords="680,630,30" alt="andhra pradesh" href="andhra pradesh.html">
<area shape="circle" coords="840,550,20" alt="orissa" href="orissa.html">
<area shape="circle" coords="560,590,30" alt="maharashtra" href="maharashtra.html">
<area shape="circle" coords="780,500,20" alt="chhattisgarh" href="chhattisgarh.html">
<area shape="circle" coords="860,390,20" alt="bihar" href="bihar.html">
<area shape="circle" coords="840,450,20" alt="jharkhand" href="jharkhand.html">
<area shape="circle" coords="910,460,20" alt="west bengal" href="west bengal.html">
<area shape="circle" coords="650,460,20" alt="madhya pradesh" href="madhya
pradesh.html">
<area shape="circle" coords="450,440,20" alt="gujarat" href="gujarat.html">
<area shape="circle" coords="530,360,20" alt="rajasthan" href="rajasthan.html">
<area shape="circle" coords="720,340,20" alt="madhya pradesh" href="madhya
pradesh.html">
<area shape="circle" coords="650,300,10" alt="delhi" href="delhi.html">
<area shape="circle" coords="610,280,20" alt="haryana" href="haryana.html">
<area shape="circle" coords="580,240,20" alt="punjab" href="punjab.html">
<area shape="circle" coords="690,260,20" alt="uttaranchal" href="uttaranchal.html">
<area shape="circle" coords="630,210,20" alt="himachal pradesh" href="himachal
pradesh.html">
<area shape="circle" coords="630,150,20" alt="jammu and kashmir" href="jamma and
kashmir.html">
<area shape="circle" coords="940,340,10" alt="sikkim" href="sikkim.html">
<area shape="circle" coords="1100,300,20" alt="arunachal pradesh" href="arunachal
pradesh.html">
<area shape="circle" coords="1110,360,20" alt="nagaland" href="nagaland.html">
<area shape="circle" coords="1100,400,20" alt="manipur" href="manipur.html">
<area shape="circle" coords="1050,350,10" alt="assam" href="assam.html">
<area shape="circle" coords="1025,390,10" alt="meghalaya" href="meghalaya.html">
<area shape="circle" coords="1070,450,15" alt="mizoram" href="mizoram.html">
<area shape="circle" coords="1030,450,10" alt="tripura" href="tripura.html">
<area shape="circle" coords="1130,870,55" alt="andaman and nicobar" href="andaman and
nicobar.html">
<area shape="circle" coords="470,940,20" alt="lakshadweep" href="lakshadweep.html">
</map>
</body>
</html>

```

### Tamilnaduhtml:

```

<!DOCTYPE html>
<html>
<head>
<title> HOTSPOT MAPPING </title>
</head>
<body>
<center>
<h1> TAMILNADU DISTRICT MAP </h1>
</center><br>
<center>

</center>

```

```

    </body>
</html>
<map>

```

### Kkerala .html:

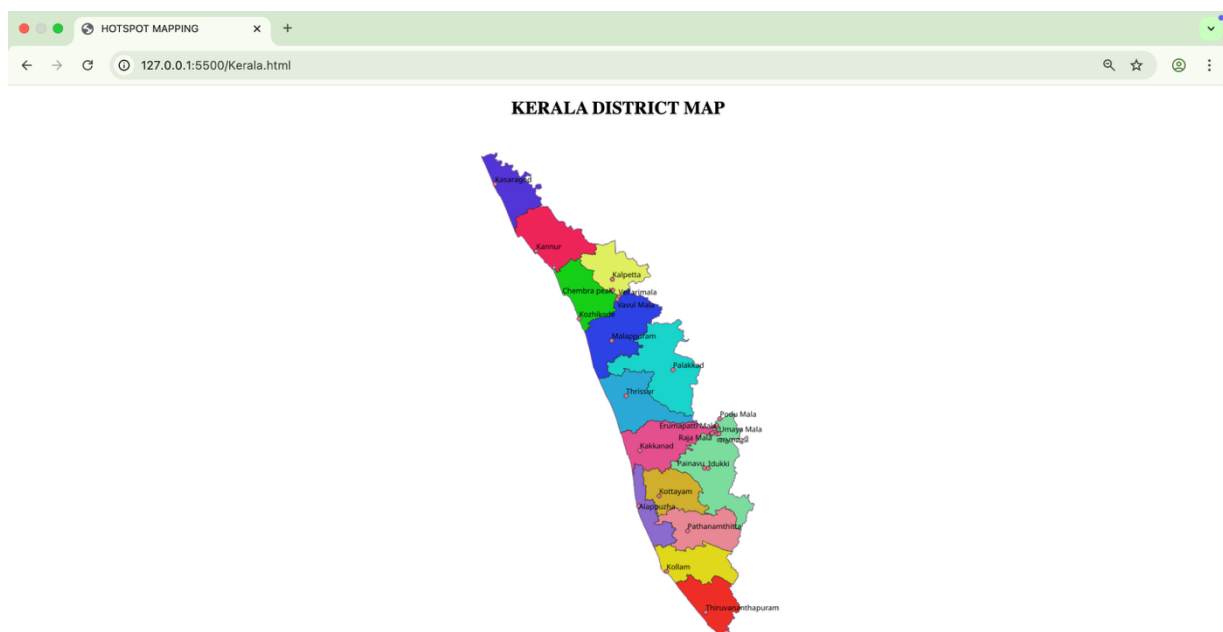
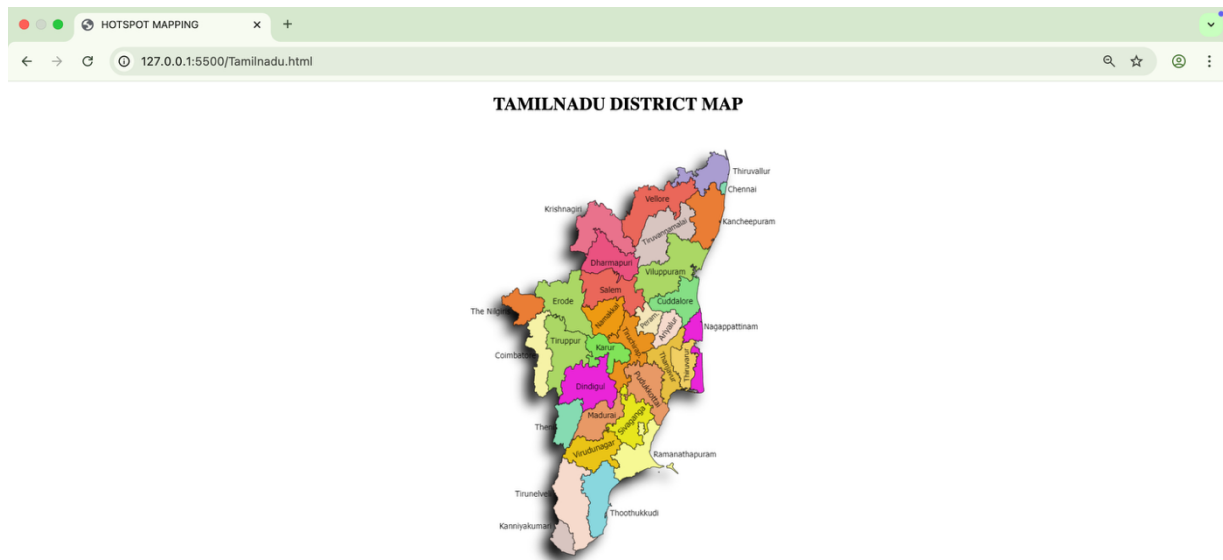
```

<!DOCTYPE html>
<html>
  <head>
    <title> HOTSPOT MAPPING </title>
  </head>
  <body>
    <center>
      <h1> TAMILNADU DISTRICT MAP </h1>
    </center><br>
    <center>
      
    </center>
  </body>
</html>
<map>

```

### OUTPUT :





**Result:**

Thus, the given task is executed 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;
}
```

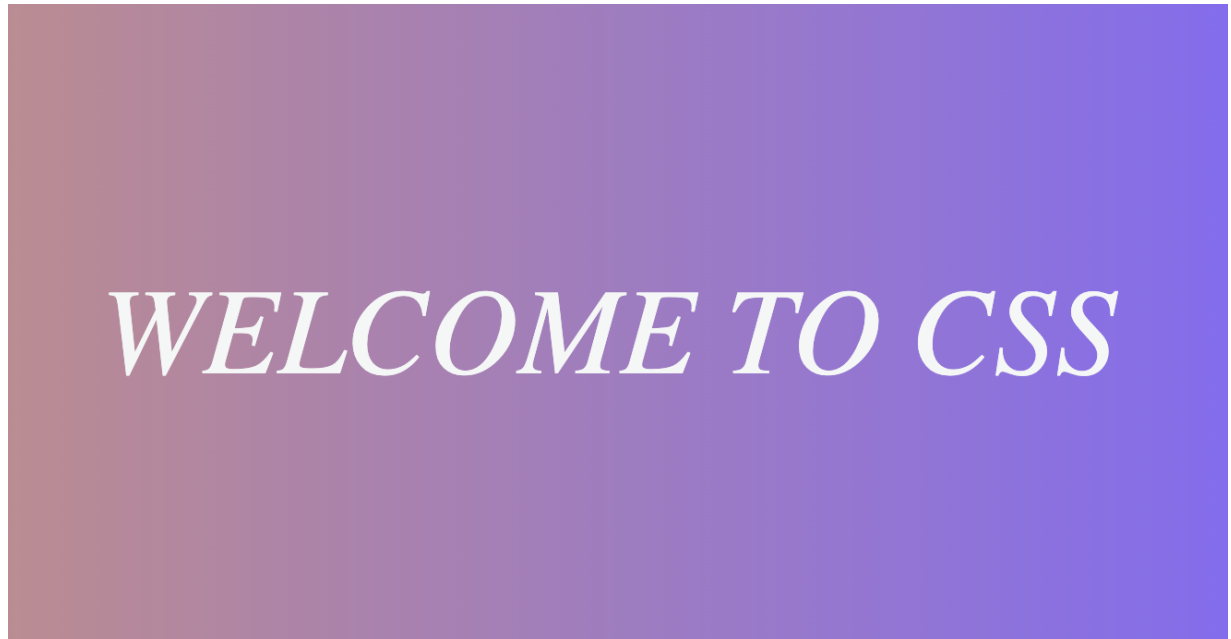
```
.services-grid {
display: grid;
grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
gap: 20px; padding: 20px;
}
```

```
.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:

INLINE CSS



EXTERNAL CSS



INTERNAL CSS





**RESULT:**

Thus, the given task is executes successfully.