

EXP 1: HTML && CSS

(a) Create a Web Page to Embed a Map with Hot Spots, Frames & Links

AIM:

To design a webpage that incorporates a map with clickable hot spots, frames, and navigation links.

ALGORITHM:

1. Create an HTML page with a `<frameset>` layout to divide the screen.
2. Add a navigation frame (menu.html) and a content frame (main.html).
3. In menu.html, include links to navigate between different pages.
4. In map.html, embed an image and define hot spots using the `<map>` and `<area>` elements.
5. Link different areas of the image to relevant web pages.
6. Save and test the page in a browser.

SOURCE CODE:

Index.html

```
<!DOCTYPE html>
<html>
<head>
|   <title>Frames and Image Map</title>
</head>
<frameset cols="30%,70%">
|   <frame src="menu.html">
|   <frame name="content" src="main.html">
</frameset>
</html>
```

Main.html

```
<!DOCTYPE html>
<html>
<head>
|   <title>Main Page</title>
</head>
<body>
|   <h2>Welcome to Our Website</h2>
|   <p>Select a link from the menu.</p>
</body>
</html>
```

Map.html

```
<!DOCTYPE html>
<html>
<head>
|   <title>Interactive Map</title>
</head>
<body>
|   <h2>Clickable Image Map</h2>
|   
|   <map name="mapareas">
|       <area shape="circle" coords="450,200,50" href="https://en.wikipedia.org/wiki/India" alt="India">
|       <area shape="rect" coords="40,100,150,250" href="https://en.wikipedia.org/wiki/United_States" alt="USA">
|   </map>
</body>
</html>
```

Menu.html

```
<!DOCTYPE html>
<html>
<head>
|   <title>Navigation Menu</title>
</head>
<body>
|   <h3>Navigation</h3>
|   <ul>
|       <li><a href="https://en.wikipedia.org/wiki/Google_logo" target="content">Google</a></li>
|       <li><a href="map.html" target="content">Interactive Map</a></li>
|   </ul>
</body>
</html>
```

OUTPUT:

←

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📄 127.0.0.1:5500/EXP1/map/index.html

Navigation

- [Google](#)
- [Interactive Map](#)

Welcome to Our Website

Select a link from the menu.

←

→

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📄 127.0.0.1:5500/EXP1/map/index.html

Navigation

- [Google](#)
- [Interactive Map](#)

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Google logo

🌐 24 languages

Article

Talk

Read

View source

View history

Tools

From Wikipedia, the free encyclopedia

The **Google logo** appears in numerous settings to identify the search engine company. [Google](#) has used several [logos](#) over [its history](#), with the first logo created by [Sergey Brin](#) using [GIMP](#). A revised logo debuted on September 1, 2015. The previous logo, with slight modifications between 1999 and 2013, was designed by [Ruth Kedar](#), with a [wordmark](#) based on the [Catull](#) font, an [old style serif](#) typeface designed by [Gustav Jaeger](#) for the [Berthold Type Foundry](#) in 1982.^[1]

The company also includes various modifications or humorous features, such as modifications of their logo for use



The current Google logo, in use since September 1, 2015

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📄 127.0.0.1:5500/EXP1/map/index.html

Navigation

- [Google](#)
- [Interactive Map](#)

Clickable Image Map



(b) Web Page Using Embedded, External & Inline CSS

AIM:

To create a webpage utilizing embedded, external, and inline CSS for styling.

ALGORITHM:

1. Create an HTML file and link an external CSS file (styles.css).
2. Add an embedded CSS block inside the <style> tag in the <head>.
3. Use inline CSS directly within an element.
4. Apply different styles to various elements for demonstration.
5. Save and open the file in a browser.

SOURCE CODE:

Maincss.html

```
<!DOCTYPE html>
<html>
<head>
  <title>CSS Styling Example</title>
  <link rel="stylesheet" type="text/css" href="styles.css"> <!-- External CSS -->
  <style>
    /* Embedded CSS */
    body {
      background-color: lightblue;
      font-family: Arial, sans-serif;
    }
    h1 {
      color: darkblue;
      text-align: center;
    }
  </style>
</head>
<body>

  <h1>Welcome to CSS Styling</h1>

  <p style="color: red; font-size: 18px;">This paragraph uses inline CSS.</p> <!-- Inline CSS -->

  <div class="box">This is a styled div using external CSS.</div>

</body>
</html>
```

STYLES.CSS

```
.box {  
    background-color: yellow;  
    padding: 10px;  
    border: 2px solid black;  
    width: 200px;  
    text-align: center;  
}
```

OUTPUT:

