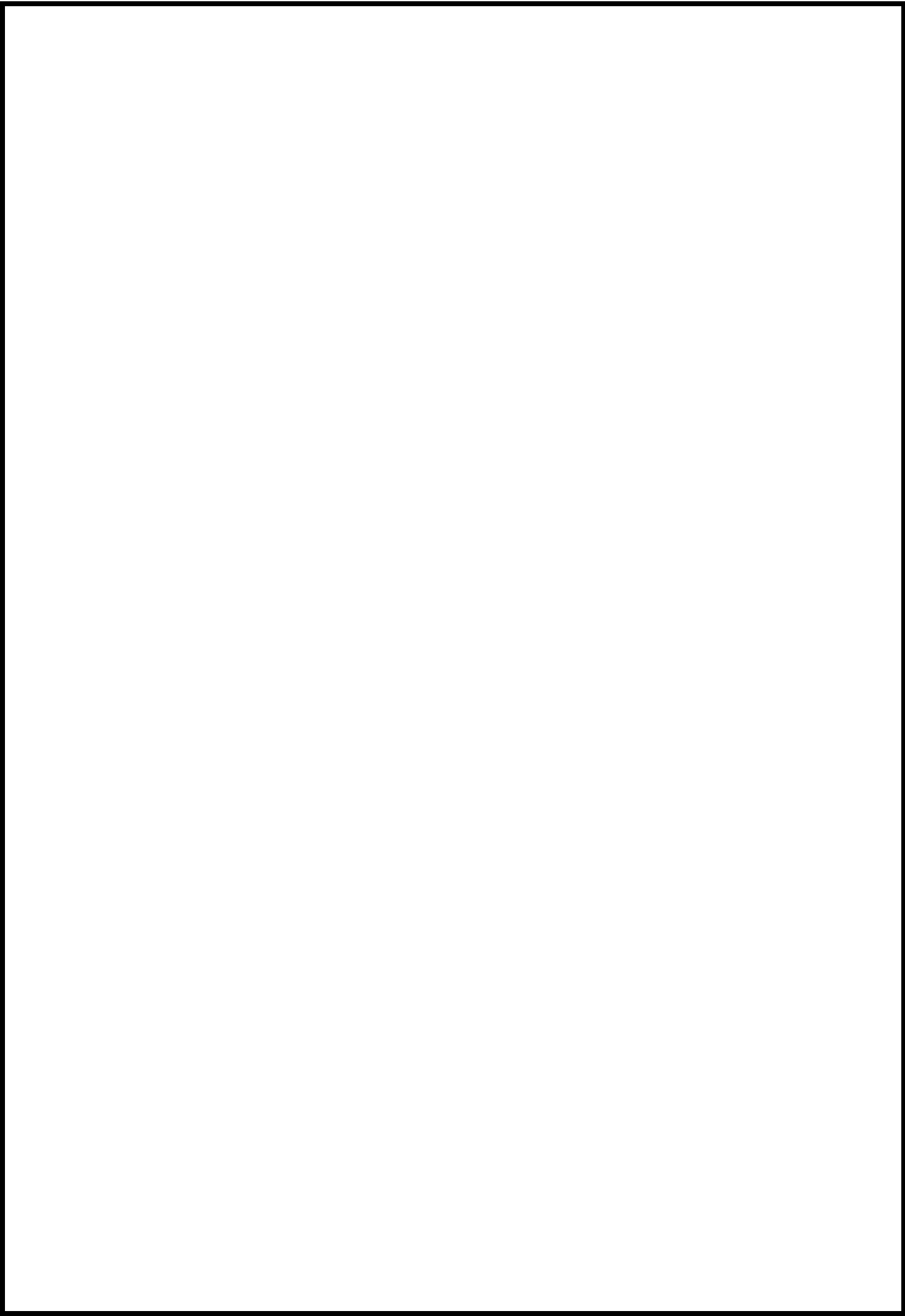# WEB TECHNOLOGY MOBILE APPLICATION

SUBJECT CODE : AI23431

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231501067 LAB EXPERIMENTS

LAB EXPERIMENT : 01

1 HTML &amp; CSS

a) Create a web page to embed a map along with hot spot, frames &amp; links.

## AIM : To create a web page that embeds a map with interactive hot spots, uses frames for layout, and includes hyperlinks for navigation.

## ALGORITHM :

## Code :

1 **Create the HTML structure:**

- Create a basic HTML page with required tags (<html>, <head>, <body>).

- Add a <frameset> to divide the page into frames.

- Include a <map> tag to create the clickable hotspots over the embedded map.

- Define the map's hotspots using <area> tags.

- Use a <link> to specify a stylesheet for styling.

2 **Embed a Map:**

- Use the <iframe> tag to embed a map (e.g., Google Maps).

- Link the map to specific coordinates or location.

3 **Add Hotspots:**

- Use the <map> and <area> tags to define areas that will act as clickable hotspots.

- Each hotspot should link to a different page or section on the site.

4  **Style the Web Page:**

- Apply inline, internal, and external CSS for styling the layout, hotspots, and other elements.

4  **Test the Page:**

- Test the page for proper functionality of the map, hotspots, and frames

## Code : Html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Map with Hotspots</title>
    <link rel="stylesheet" type="text/css" href="style.css">
    <style>
        body {
            font-family: Arial, sans-serif;
        }
    </style>
</head>
<body>
    <h1>Welcome to the Map Page</h1>
```

```html
<frameset rows="30%, 70%">

    <!-- Top frame with map-->

    <frame src="map.html" name="mapFrame">


    <!-- Bottom frame with hotspots-->

    <frame src="hotspots.html" name="linkFrame">

</frameset>


<p>This page contains a map and clickable hotspots.</p>


<!-- Image map for hotspots-->

<img src="map.jpg" usemap="#map" alt="Map" width="500" height="300">

<map name="map">

    <area shape="rect" coords="50,50,150,150" alt="Spot 1" href="https://www.example.com" target="linkFrame">

    <area shape="circle" coords="200,100,50" alt="Spot 2" href="https://www.example2.com" target="linkFrame">

</map>


</body>
</html>
```
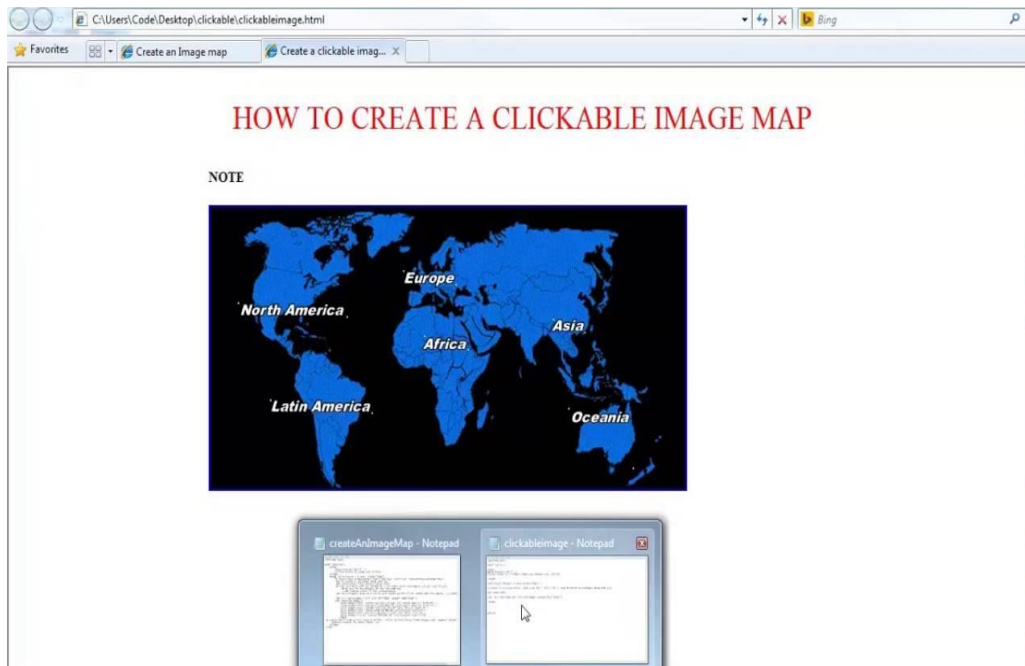
OUTPUT :

## RESULT:

By creating a web page with embedded, external, and inline CSS, we can effectively manage the styling of different elements of the page. This demonstrates how different CSS methods can be combined for a comprehensive styling approach.

b) Create a Web Page Using Embedded, External, and Inline CSS Files

## Aim:

To create a web page with a combination of embedded, external, and inline CSS to style elements such as headers, paragraphs, and links.

## Algorithm:

1. **Create the HTML structure:**

   o Create a basic HTML page structure (<html>, <head>, <body>).

   o Add a header, paragraph, and link elements that will be styled.

2. **Add Inline CSS:**

   o Apply CSS styling directly to specific HTML elements using the style attribute.

3. **Add Internal CSS:**

   o Include CSS styles within the <style> tag inside the <head> section of the HTML document.

4. **Link to an External CSS File:**

- Create a separate .css file and link it to the HTML document using the <link> tag.

5. **Test the Page:**

- Test if the inline, internal, and external CSS are being applied correctly to different elements.

Code :

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>CSS Styling Example</title>

    <link rel="stylesheet" type="text/css" href="styles.css"> <!-- External CSS-->

    <style>

        /* Internal CSS */
```

```html
        h1 {

            color: blue;

            text-align: center;

        }

        p {

            font-size: 18px;

            color: darkgreen;

        }

    </style>

</head>

<body>

    <h1>This is a Heading</h1>

    <p>This is a paragraph styled using internal CSS.</p>

    <a href="https://www.example.com" style="color:
red;">Click here to visit Example.com</a> <!-- Inline CSS
-->
```

```
</body>

</html>
```

styles.css (External CSS) Example:

```css
/* External CSS */

body {

    font-family: Arial, sans-serif;

    background-color: #f0f0f0;

}


a {

    text-decoration: none;

    font-weight: bold;

}
```

Output :

.

## Result:

- By creating a web page with embedded, external, and inline CSS, we can effectively manage the styling of different elements of the page. This demonstrates how different CSS methods can be combined for a comprehensive styling approach.