

WEB TECHNOLOGY MOBILE APPLICATION

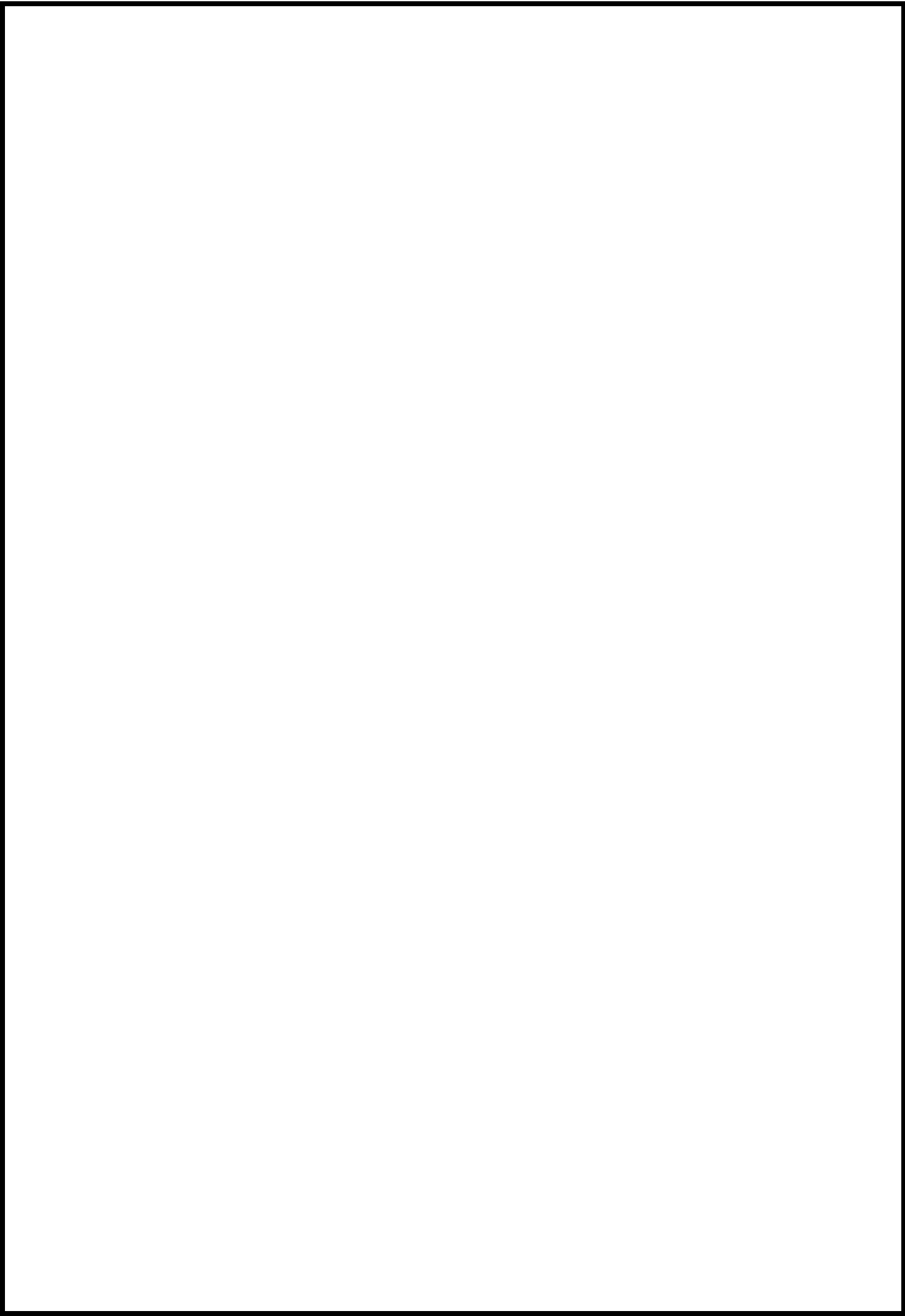
SUBJECT CODE : AI23431

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LAB EXPERIMENTS



LAB EXPERIMENT : 01

1 HTML & CSS

a) Create a web page to embed a map along with hot spot, frames & 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

```
<!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>
```

```
<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>

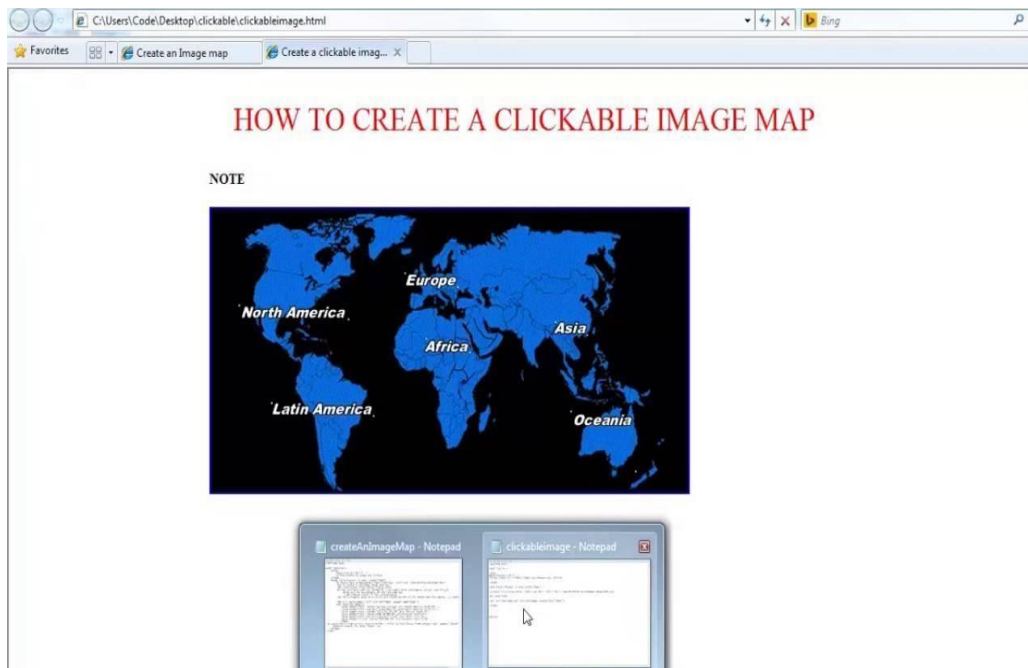
<p>This page contains a map and clickable hotspots.</p>

<!-- Image map for hotspots-->

  <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:

- Create a basic HTML page structure (<html>, <head>, <body>).
- Add a header, paragraph, and link elements that will be styled.

2. Add Inline CSS:

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

3. Add Internal CSS:

- 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 */
```



```
    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:

```
/* External CSS */
```

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f0f0f0;
```

```
}
```

```
a {
```

```
    text-decoration: none;
```

```
    font-weight: bold;
```

```
}
```

Output :

The heading the
heading ead dresat our
toriets your supea here
and lhe story.

QOOL

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.