

Subject Code : AI23431

WEB TECHNOLOGY AND MOBILE APPLICATION

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Artificial Intelligence ;Data Science and Artificial Intelligence ;Machine Learning

LIST OF 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 embed a map along with hot spot, frames & links. and also a web page using an embedded, external and inline CSS file.

SOURCE CODE :

- a) Web Page to Embed a Map with Hotspot, Frames & Links:

```
<!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, Frames, and Links</title>
  <style>
    /* Inline CSS for the map and layout */
```

```
#map {
  width: 100%;
  height: 400px;
  border: 2px solid #000;
}
#frame-container {
  display: flex;
  margin-top: 20px;
}
iframe {
  width: 45%;
  height: 300px;
  margin-right: 10px;
}
.hotspot-link {
  color: #007BFF;
  text-decoration: none;
}
</style>
</head>
<body>
  <h1>Interactive Map with Hotspots, Frames, and Links</h1>
  <p>Click on the hotspots to learn more!</p>

  <!-- Google Map Embed (Replace with your map link) -->
  <div id="map">
    <iframe src="https://www.google.com/maps/embed/v1/place?q=Eiffel+Tower,Paris&key=YOUR_GOOGLE_MAPS_API_KEY"
      frameborder="0" style="border:0;" allowfullscreen="" aria-hidden="false" tabindex="0"></iframe>
  </div>

  <div id="frame-container">
```

```

<!-- First iframe with content -->
<iframe src="https://en.wikipedia.org/wiki/Eiffel_Tower" title="Eiffel Tower Info"></iframe>

<!-- Second iframe with related content -->
<iframe src="https://www.toureiffel.paris/en" title="Official Eiffel Tower Website"></iframe>
</div>

<h3>Hotspots</h3>
<p>Here are some clickable hotspots:</p>
<ul>
  <li><a href="https://en.wikipedia.org/wiki/Eiffel_Tower" class="hotspot-link">Eiffel Tower Wikipedia</a></li>
  <li><a href="https://www.toureiffel.paris/en" class="hotspot-link">Official Eiffel Tower Website</a></li>
  <li><a href="https://www.google.com/maps?q=Eiffel+Tower,Paris" class="hotspot-link" target="_blank">View on Google Maps</a></li>
</ul>
</body>
</html>

```

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

```

/* styles.css */
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  margin: 0;
  padding: 0;
}

```

```

.container {

```

```
max-width: 1200px;
margin: 20px auto;
padding: 20px;
background-color: white;
box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}
```

```
h1 {
  color: #333;
  text-align: center;
}
```

```
a {
  color: #007BFF;
  text-decoration: none;
}
```

```
a:hover {
  text-decoration: underline;
}
```

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

```
/* styles.css */
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  margin: 0;
```

```
padding: 0;
}
```

```
.container {
  max-width: 1200px;
  margin: 20px auto;
  padding: 20px;
  background-color: white;
  box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}
```

```
h1 {
  color: #333;
  text-align: center;
}
```

```
a {
  color: #007BFF;
  text-decoration: none;
}
```

```
a:hover {
  text-decoration: underline;
}
```

HTML File with Inline, Internal, and External CSS:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Page with Different CSS Types</title>
  <link rel="stylesheet" href="styles.css"> <!-- External CSS -->
  <style>
    /* Internal CSS */
    .highlight {
      font-weight: bold;
      color: red;
    }
  </style>
</head>
<body>
```

```
<!-- Container for content -->
<div class="container">
  <h1>Welcome to My Web Page</h1>
  <p>This page demonstrates three types of CSS.</p>
```

```
<p>Here is an inline CSS example:
  <span style="color: green; font-size: 18px;">This text is styled using inline CSS</span>.
</p>
```

```
<p>Click <a href="https://www.example.com" class="highlight">here</a> to visit a link styled using external CSS.</p>
```

```
<p>Learn more about web development at <a href="https://developer.mozilla.org/en-US/docs/Web/CSS">MDN Web Docs</a>.</p>
```

```
</div>
```

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

RESULT : Thus the experiment of Create a web page to embed a map along with hot spot frames & links a web page using an embedded, external and inline CSS file is successfully verified