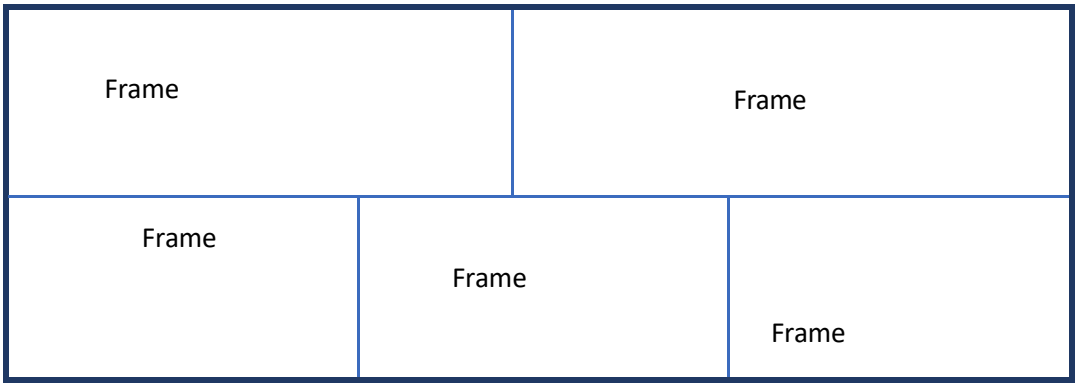
Problem Statement 5 : Design a web page with the following layout :



Objective:

To design a web page that displays two boxes in the first row and three boxes in the second row, covering the full screen with “Frame” written at the center of each box.

Description:

This web page layout uses HTML for structure and CSS Flexbox for arranging boxes evenly on the screen. The layout is divided into two rows, and each box is centered with the text “Frame”.

Tags and CSS Properties Used:

Tag / Property	Description
<!DOCTYPE html>	Defines the document type as HTML5.
<html>	Root element of the web page.
<head>	Contains page title and CSS styling.
<title>	Displays the title in the browser tab.
<style>	Used to include internal CSS styles.
<body>	Contains all visible content of the page.
	Used to create sections like container, rows, and boxes.
<h3>	Used to display the heading “Frame” inside each box.
*	Universal selector that applies styles to all elements.
margin	Removes or adds space outside elements.
padding	Adds space inside elements.
box-sizing	Includes padding and border in the total width and height of elements.

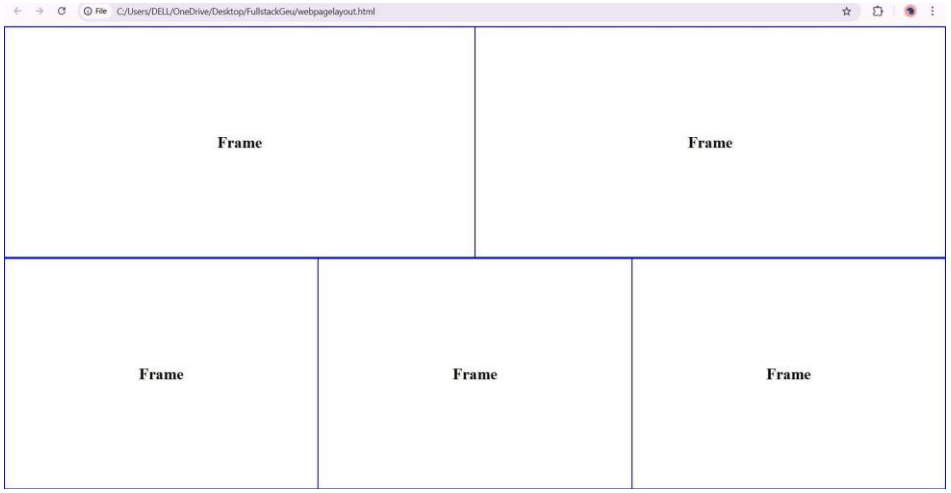
Tag / Property	Description
width / height	Sets the size of the page and boxes.
.container	Class used to hold all rows and center layout.
Tag / Property	**Description**
display: flex;	Enables Flexbox layout for flexible alignment.
flex-direction: column;	Arranges items vertically (top to bottom).
justify-content	Aligns items along the main axis.
.row	Class for horizontal arrangement of boxes.
flex: 1;	Distributes equal space among boxes.
border	Draws blue outlines around boxes.
.box	Class for individual boxes inside rows.
align-items: center;	Centers text vertically.
justify-content: center;	Centers text horizontally.
font-size	Sets the text size larger.
font-weight	Makes the text bold.

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Web page layout</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }

    body, html {
      height: 100%;
      width: 100%;
    }

    .container {
      width: 100%;
      height: 100%;
      margin: auto;
      display: flex;
      flex-direction: column;
      justify-content: space-between;
```

```
        }

        .row {
            display: flex;
            flex: 1;
            border: 1px solid blue;
        }

        .box {
            flex: 1;
            border: 1px solid blue;
            display: flex;
            align-items: center;
            justify-content: center;
            font-size: 22px;
            font-weight: bold;
        }
    </style>
</head>

<body>
    <div class="container">
        <div class="row">
            <div class="box"><h3>Frame</h3></div>
            <div class="box"><h3>Frame</h3></div>
        </div>

        <div class="row">
            <div class="box"><h3>Frame</h3></div>
            <div class="box"><h3>Frame</h3></div>
            <div class="box"><h3>Frame</h3></div>
        </div>
    </div>
</body>

</html>
```

Output



Problem Statement 6: Design an online registration form for a Job portal which will also have an option to upload the resume and photograph of the user separately.

Objective:

To design an online registration form that allows users to enter personal details and upload their resume and photograph separately.

Description: This form is built using HTML form elements and styled with CSS.

It contains fields for name, email, password, and options to upload a resume and photo, along with a register button.

Tags and CSS Properties Used:

Tag / Property	Description
<!DOCTYPE html>	Defines the document type as HTML5.
<html>	Root of the HTML document.
<head>	Contains metadata and CSS styling.
<title>	Sets the title shown in the browser tab.
<style>	Used to write internal CSS.
<body>	Contains the visible form content.
<h2>	Used for the form heading.
<form>	Defines the structure of the registration form.
<label>	Displays the name of each input field.
<input>	Used for user input (text, email, password, file).
type="text"	Used for entering the user's name.
type="email"	Used for entering the email address.
type="password"	Used for password input.
type="file"	Used for uploading files (resume and photo).
<button>	Used to submit the form.
 	Adds line breaks between elements.

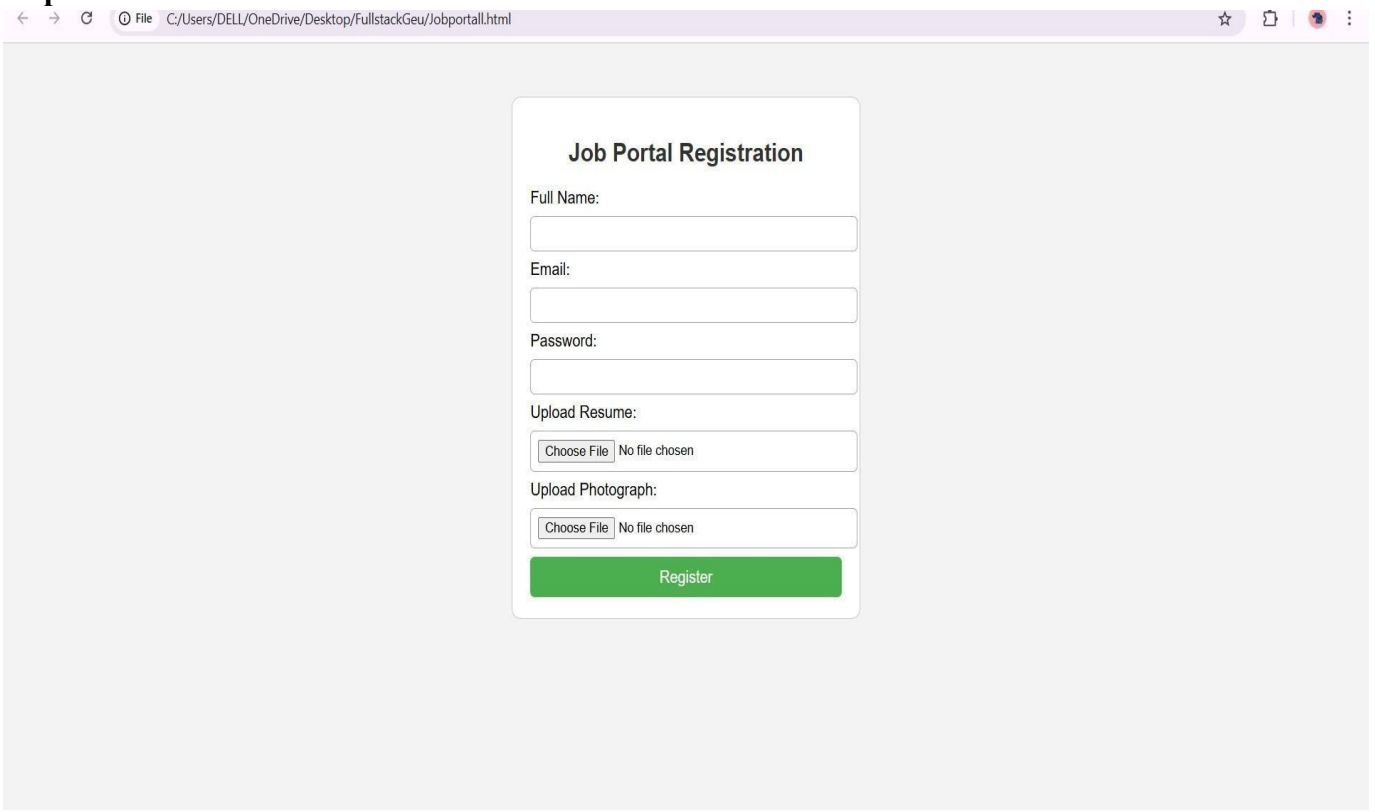
Tag / Property	Description
background-color	Sets background color for the form area.
font-family	Defines the font style.
padding	Adds inner spacing around form elements.
margin	Adds space around form container.
border	Adds a border around the form.
border-radius	Rounds the corners of the
form. text-align	Centers text and headings.
font-size	Increases the size of form text.

Code:

```
<!DOCTYPE html>

<html>

<head>

   <title>Job Registration Form</title>

   <style> body {

   font-family: Arial, sans- serif;
      background-color: #f2f2f2;

   }

   form{

   width: 350px;

   margin: 50px auto;

   padding: 20px;

   background-color: white; border: 1px
      solid #ccc; border- radius: 10px; } h2
      { text-align: center; color:

      #333; } label {
      font-size: 16px; } input { width: 100%; padding: 8px;
      margin: 8px 0; border: 1px solid
      #aaa; border-radius: 5px; } button {
```

```
        width: 100%; padding: 10px;
           background-color:

#4CAF50; color: white; border: none;
border-radius: 5px; fontsize: 16px;
cursor: pointer; } button:hover          {
           background-
        color: #45a049;
        }

    </style>

</head>

<body>

<form>

        <h2>Job Portal Registration</h2>

        <label>Full Name:</label>

        <input type="text" name="name" required><br>

        <label>Email:</label>

        <input type="email" name="email" required><br>

        <label>Password:</label>

        <input type="password" name="password" required><br>

        <label>Upload Resume:</label>

        <input type="file" name="resume" accept=".pdf,.doc,.docx"><br>

        <label>Upload Photograph:</label>

        <input type="file" name="photo" accept="image/*"><br>

        <button type="submit">Register</button>

    </form>

</body>  </html>
```

Output:


File C:/Users/DELL/OneDrive/Desktop/FullstackGeu/Jobportall.html
Job Portal Registration
Full Name:
Email:
Password:
Upload Resume:
Choose File No file chosen
Upload Photograph:
Choose File No file chosen
Register

Problem Statement 7: Design a style sheet that will format a web page with respect to the following:

a. **The web page will show the background color as Yellow.**
b. **The headings h1,h2 and h3 are in Green.**
c. **The text content is Red.**
d. **Use all font properties, text properties and box properties to format the content.**

Objective:

To design a style sheet using CSS that formats a webpage by applying background color, heading colors, text colors, and other font, text, and box properties.

Description:

The stylesheet defines the overall look of the webpage. It sets a yellow background, green headings (h1, h2, h3), and red text content.
It also uses font, text, and box properties to improve the appearance of the page.

Tags and CSS Properties Used:

Tag / Property	Description
<html>	Root of the HTML page.
<head>	Contains the title and CSS styles.
<title>	Sets the webpage title.
<style>	Used for internal CSS.
<body>	Contains all visible elements.
<h1>, <h2>, <h3>	Used for different heading levels.
<p>	Used for paragraph text.
background-color	Sets the background color.
color	Sets text color.
font-family	Defines the font style.
font-size	Defines the size of the text.
font-weight	Defines the boldness of text.
text-align	Aligns text (left, right, center, justify).

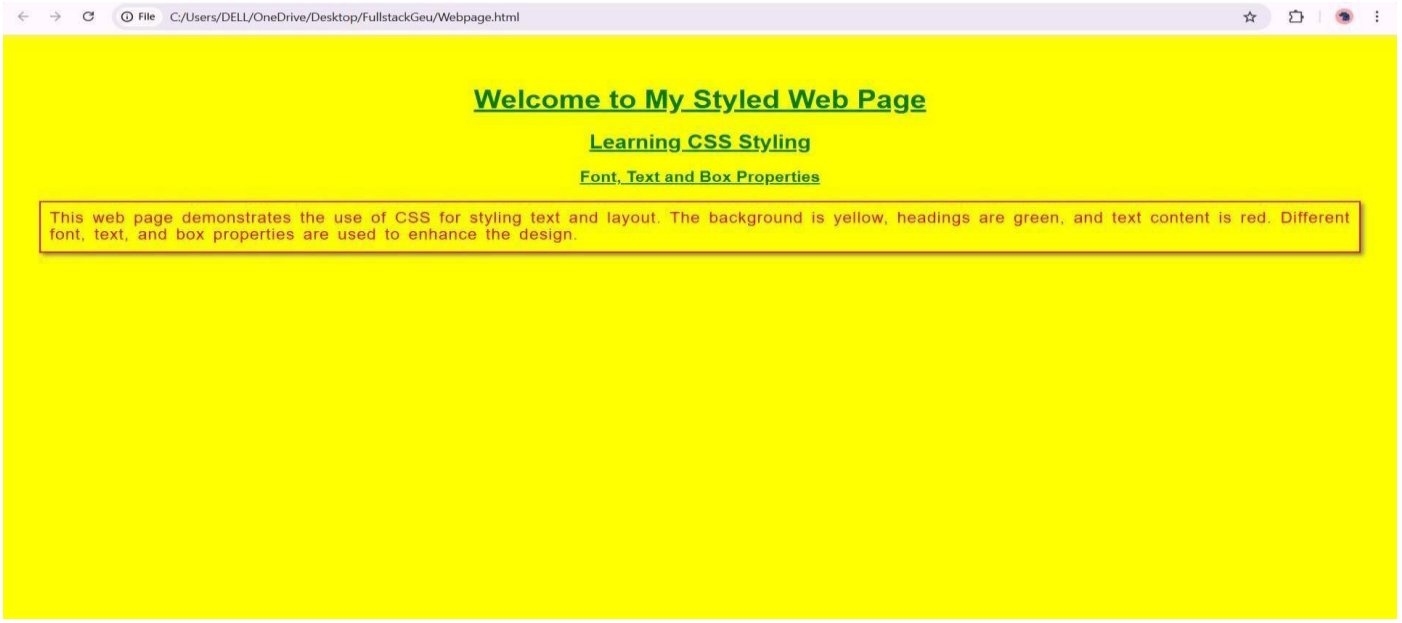
Tag / Property	Description
text-decoration	Adds decoration like underline or none.
letter-spacing	Adds space between letters.
word-spacing	Adds space between words.
border	Adds a border around elements.
padding	Adds space inside the border.
margin	Adds space outside the element.
box-shadow	Adds shadow around the box.

Code:

```
<!DOCTYPE html>

<html>

<head>

   <title>Styled Web Page</title>

   <style> body { backgroundcolor:
      yellow; font-family: Arial,
      sans-serif; color: red; margin:
      20px; padding: 20px; } h1, h2,
      h3 { color: green; text-align:
      center; font-weight:
      bold; text-decoration:
      underline; } p { font-size:
      18px; text-align: justify;

         letter-spacing: 1px; wordspacing:
         3px; border: 2px solid red;
         padding: 10px; margin:
```

```
        10px 0; box-shadow: 3px 3px
        5px gray; }
    </style>

</head>

<body>

    <h1>Welcome to My Styled Web Page</h1>

    <h2>Learning CSS Styling</h2>

    <h3>Font, Text and Box Properties</h3>

    <p>

        This web page demonstrates the use of CSS for styling text and layout.
        The background is yellow, headings are green, and text content is red.
        Different font, text, and box properties are used to enhance the design.
    </p>

</body>

</html>
```

Output:


File C:/Users/DELL/OneDrive/Desktop/FullstackGeu/Webpage.html
Welcome to My Styled Web Page
Learning CSS Styling
Font, Text and Box Properties
This web page demonstrates the use of CSS for styling text and layout. The background is yellow, headings are green, and text content is red. Different font, text, and box properties are used to enhance the design.

Problem Statement 8: Design a web page using CSS that will use classes in html web page. The classes should be grouped under 3 categories : MCA, BCA and BTech. Use links to make classes.

Objective:

To create a web page that lists classes under **MCA, BCA, and BTech** using CSS for styling and links for each class.

Description:

The page groups classes into three categories with distinct background colors. Links are styled with bold text and hover effects. Internal CSS is used to control fonts, colors, spacing, and box properties for a neat layout.

Tags and CSS Properties Used:

Tag / Property	Description
<html>	Root element of the HTML page.
<head>	Contains metadata, title, and internal CSS.
<title>	Sets the title of the webpage.
<style>	Contains internal CSS for styling the page.
<body>	Contains all visible content.
<header>	Defines the header section of the page.
<h1>, <h2>	Headings used for the page and section titles.
<section>	Groups related content (MCA, BCA, BTech).
	Defines an unordered list to display class links.
	Defines individual list items.
<a>	Hyperlink used for each class.
class	Assigns CSS class for styling sections (mca, bca, btech).
href	Specifies the link destination (here # is used as a placeholder).
font-family	Sets the font style for the text.
background	Sets background color for body and sections
padding	Adds space inside elements.
margin	Adds space outside elements.

Tag / Property	Description
border-radius	Rounds the corners of sections.
list-style	Removes default bullet from the list.
:hover	Adds a hover effect for links (underline).

Code:

```
<!DOCTYPE html>

<html>

<head>

    <title>Classes</title>

  <style> body { fontfamily:
    sans-serif; background:
    #f5f5f5; padding: 20px; }
    h1 {

    text-align: center; }
    section { padding:
    10px; margin: 15px
    0; border-radius:
    8px; }
    .mca { background:
    #cceeff; } .bca {
    background: #ffe6cc; }
    .btech { background:
    #e6ccff; } ul { list-style:
    none; padding: 0; }
    li {
```

```
    margin: 5px 0; } a {
   textdecoration: none; color:
   #000; font-weight: bold; }
   a:hover { text-decoration:
   underline; }

  </style>

</head>

<body>

  <header>

    <h1>Available Classes</h1>

  </header>

  <section class="mca"> <h2>MCA Classes</h2>

    <ul>

      <li><a href="#">MCA 1st Sem</a></li>

      <li><a href="#">MCA 2nd Sem</a></li>

    </ul>

  </section>

  <section class="bca">

    <h2>BCA Classes</h2>

    <ul>


<li><a href="#">BCA 1st Year</a></li>

      <li><a href="#">BCA 2nd Year</a></li>

    </ul>

  </section>

  <section class="btech">

    <h2>BTech Classes</h2>
```

```
    <ul>

      <li><a href="#">BTech 1st Year</a></li>

      <li><a href="#">BTech 2nd Year</a></li>

    </ul>

  </section>

</body>

</html>
```

Output:

File C:/Users/DELL/OneDrive/Desktop/FullstackGeu/assign4.html#
Available Classes
MCA Classes
MCA 1st Sem
MCA 2nd Sem
BCA Classes
BCA 1st Year
BCA 2nd Year
BTech Classes
BTech 1st Year
BTech 2nd Year