Ex. No. 3	**DESIGNING A WEBPAGE USING CSS3 SELECTORS, LAYOUT, BOXMODEL**
Date of Exercise	**18/07/2025**

Aim

To develop a webpage using HTML5 tags and apply styles to the webpage using CSS3

properties and layouts like Normal flow and multicolumn layout.

Description

Introduction to CSS

CSS (Cascading Style Sheets) is used to style and layout web pages.

It helps adjust how elements appear on different devices and screen sizes.

Example HTML with CSS

CSS h1 { color: blue; text-align: center; } p { background-color: pink; }

Welcome to My Page

This is an entertainment website

- Basic CSS Selectors

Element Selector

p { color: red; }

ID Selector ()

header { font-size: 24px; }

Class Selector (.)

.intro { font-style: italic; }

Universal Selector (\)

{ margin: 0; padding: 0; }

Text Formatting

color: green;

letter-spacing: 5px;

text-align: right;

text-decoration: underline;

Font Styling

font-family: Georgia, serif;

font-style: italic;

font-weight: bolder;

font-size: 20px;

Size and Layout

height: 200px;

width: 50%;

Units: px, %, em, cm, etc.

Background Properties

background-color: lightblue;

background-image: url("paper.gif");

background-repeat: no-repeat;

CSS Box Model

Content – Main text/image

Padding – Space inside border

Border – Around padding

Margin – Space outside border

Example:

p {

margin: 100px 150px 100px 80px;

padding: 15px;

}

Display Property

display: inline;

display: block;

display: inline-block;

inline: Side-by-side

block: Full width

inline-block: Inline but behaves like block

Float Property

float: left;

float: right;

float: none;

Program

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Karunya Institute of Technology and Science</title>

```
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.7/dist/css/bootstrap.min.css"
rel="stylesheet">

  <link rel="stylesheet" href="styles.css">

</head>


<body>

  <header class="text-center p-3">

    <h1>Karunya Institute Of Technology and Science</h1>

    <img src="KITS 25.jpg" alt="Karunya Image" class="img-fluid">

  </header>


  <main class="container my-4">

   <h2>About Us</h2>

   <p>

     Karunya Institute of Technology and Sciences was founded to raise
professionals and leaders with academic excellence and commitment to serve
humanity. Established in 1986, it became a Deemed-to-be University in 2004. It
offers various degree programs in Engineering, Biotechnology, Food Processing,
and Agricultural Sciences.
```

</p>

<h2>Our Vision</h2>

Karunya shall address social issues through education, research, and innovation.

Faculty and students will be nurtured in ethics and character to serve society.

<h2>Our Mission</h2>

To raise students with academic excellence and values.

To solve problems in water, food, health, and energy sectors.

To establish care homes and engage students in social service and research.

<h2>Our Emblem</h2>

```
<img src="logo.png" alt="Karunya Logo" class="img-fluid mb-3">

<p>

   The emblem features a human face, a gear wheel, and a torch symbolizing
knowledge, technology, and service to humanity. The motto "Arise and Shine"
inspires excellence and contribution to national development.

</p>



<h2>Our Anthem</h2>

<div class="ratio ratio-16x9">

   <iframe src="https://www.youtube.com/embed/Go0ahMg7yIg" title="Karunya
Anthem" allowfullscreen></iframe>

</div>

</main>



<footer class="bg-light p-4">

<h2>Contact Us</h2>

<form>

  <div class="mb-2">

    <label for="fname">Name</label>
```

```
<input type="text" id="fname" name="fname" class="form-control">

</div>

<div class="mb-2">

  <label for="freg">Register Number</label>

  <input type="text" id="freg" name="freg" class="form-control">

</div>

<div class="mb-2">

  <label for="email">Email</label>

  <input type="email" id="email" name="email" class="form-control">

</div>

<div class="mb-2">

  <label>Gender</label><br>

  <input type="radio" id="male" name="gender" value="Male"> Male

  <input type="radio" id="female" name="gender" value="Female"> Female

</div>

<div class="mb-2">

  <label for="date">Date of Birth</label>

  <input type="date" id="date" name="date" class="form-control">
```
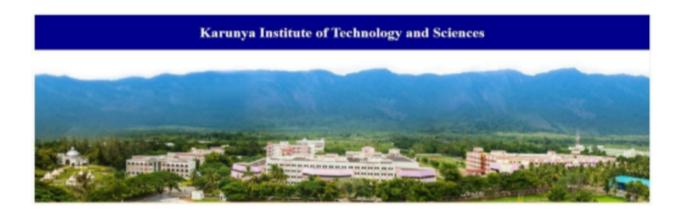
```
</div>

<div class="mb-2">

  <label for="address">Address</label>

  <textarea id="address" name="address" class="form-control"
rows="3"></textarea>

</div>

<button type="submit" class="btn btn-primary">Submit</button>

</form>

</footer>

</body>

</html>
```

```css
header {

  color: white;
```

```
    background-color: blue;

    font-size: 0px;

    width: 2px;

    font-family: georgia;

    text-align: center;

    justify-content: center;

    padding-top: 1%;

}


h1 {

    color: white;

    background-color: blue;

    font-size: 100px;

    width: 2000px;

    font-family: georgia;

    justify-content: center;

    text-align: center;
```

```
}


p {

    color:black;

    font-size: 30px;

}


h2 {

    color: blue;

    text-align: left;

}


img {

    display: block;

    margin: 0 auto;

}
```

```
body {

    background-color: rgb(245, 241, 236);

    font-size: medium;

}


footer {

    background-color: gray;

    color: white;

}
```

Output

Result

The above code for Resume page has been executed successfully and the output obtained