**DPG Degree College**

**Bachelor of Computer Applications**

**Web Designing (BCA-206)**



**Session 2022-2023**

**Submitted to: Submitted by:**

**Ms. Preeti Rathi Raj Verma**

**(Assistant Professor) Sem - 4th**

**Dept. of Computer Science Roll No: 121832**

**MDU ROHTAK, HARYANA**

**DPG Degree College**

**Bachelor of Computer Applications**

**Certificate**

This is to certify that Mr. Raj Verma S/o Mr. Amit Kumar has submitted practical file for fulfillment of BCA 4st semester Lab. Course.

**Submitted to: Submitted By:**

**Ms. Preeti Rathi Raj Verma**

**(Assistant Professor) Sem - 4th**

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| --- | --- | --- | --- |
| **S. No** | **Practical name** | **Date** | **Signature** |
| **1** | Create a webpage for illustrating text formatting tags | 18/04/2023 |  |
| **2** | Create a webpage to demonstrate font variations | 25/01/2023 |  |
| **3** | Create a webpage for illustrate three types of lists in html | 01/02/2023 |  |
| **4** | Create a webpage to show your CV using nested tables | 08/02/2023 |  |
| **5** | Create form that accepts information from the subscriber of a mailing system | 15/02/2023 |  |
| **6** | Design the webpage as follow | 22/02/2023 |  |
| **7** | Align images using table tags | 01/03/2023 |  |
| **8** | Divide webpage using frame tag | 15/03/2023 |  |
| **9** | Design page for hospital services | 22/03/2023 |  |
| **10** | Create a webpage to illustrate use of rulers | 29/03/2023 |  |

## AIM 1: Creating a webpage for illustrating text formatting tags.

### HTML

<!DOCTYPE html>

<html>

<head>

<title>RAJ VERMA</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<h1>Text Formatting Tags</h1>

<p>This is an example of <strong>bold text</strong>.</p>

<p>This is an example of <em>italic text</em>.</p>

<p>This is an example of <u>underlined text</u>.</p>

<p>This is an example of <del>strikethrough text</del>.</p>

<p>

This is an example of <sup>superscript text</sup> and

<sub>subscript text</sub>.

</p>

</body>

<script src="script.js"></script>

</html>

### CSS File

body {

font-family: Arial, sans-serif;

background-color: #1d1d1d;

color: #fff;

margin: 0;

padding: 0;

}

h1 {

font-size: 36px;

font-weight: bold;

text-align: center;

margin-top: 50px;

margin-bottom: 30px;

}

p {

font-size: 18px;

line-height: 1.5;

margin-bottom: 20px;

}

strong {

font-weight: bold;

}

em {

font-style: italic;

}

u {

text-decoration: underline;

}

del {

text-decoration: line-through;

}

sup {

vertical-align: super;

font-size: 14px;

}

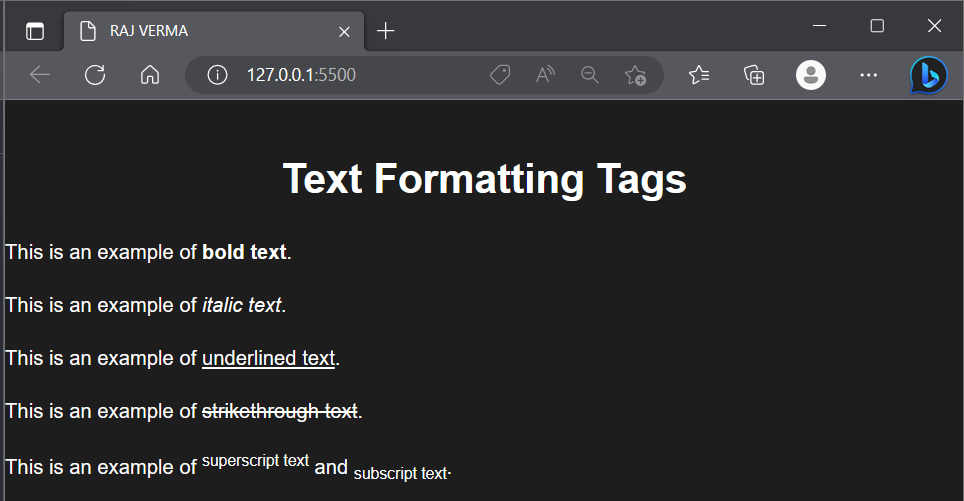
sub {

vertical-align: sub;

font-size: 14px;

}

### OUTPUT



## AIM 2: Create a webpage to demonstrate font variations.

### HTML File

<!DOCTYPE html>

<html>

<head>

<title>RAJ VERMA</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<h1>Font Variation </h1>

<p>This is an example of regular text.</p>

<p class="italic">This is an example of italic text.</p>

<p class="bold">This is an example of bold text.</p>

<p class="underline">This is an example of underlined text.</p>

<p class="strikethrough">This is an example of strikethrough text.</p>

<p class="smallcaps">This is an example of small caps text.</p>

</body>

</html>

### CSS File

body {

font-family: Arial, sans-serif;

background-color: #f2f2f2;

color: #333;

margin: 0;

padding: 0;

}

h1 {

font-size: 36px;

font-weight: bold;

}

.italic {

font-style: italic;

}

.bold {

font-weight: bold;

}

.underline {

text-decoration: underline;

}

.strikethrough {

text-decoration: line-through;

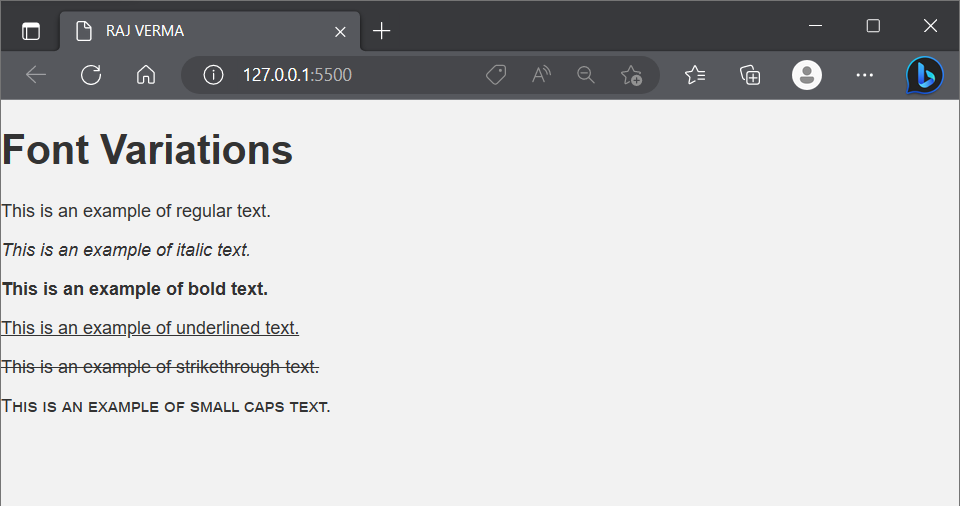
}

.smallcaps {

font-variant: small-caps;

}

### OUTPUT



## AIM 3: Create a webpage to illustrate three types of list in html

### HTML File

<!DOCTYPE html>

<html>

<head>

<title>List Types</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<h1>Types of Lists</h1>

<h2>Unordered List</h2>

<ul>

<li>Item 1</li>

<li>Item 2</li>

<li>Item 3</li>

</ul>

<h2>Ordered List</h2>

<ol>

<li>First Item</li>

<li>Second Item</li>

<li>Third Item</li>

</ol>

<h2>Definition List</h2>

<dl>

<dt>Term 1</dt>

<dd>Definition 1</dd>

<dt>Term 2</dt>

<dd>Definition 2</dd>

<dt>Term 3</dt>

<dd>Definition 3</dd>

</dl>

</body>

</html>

### CSS File

body {

font-family: Arial, sans-serif;

background-color: #f2f2f2;

color: #333;

margin: 0;

padding: 0;

}

h1 {

font-size: 36px;

font-weight: bold;

text-align: center;

margin-top: 50px;

margin-bottom: 30px;

}

ul {

list-style-type: disc;

margin-left: 30px;

}

ol {

list-style-type: decimal;

margin-left: 30px;

}

dl {

margin-left: 30px;

}

dt {

font-weight: bold;

}

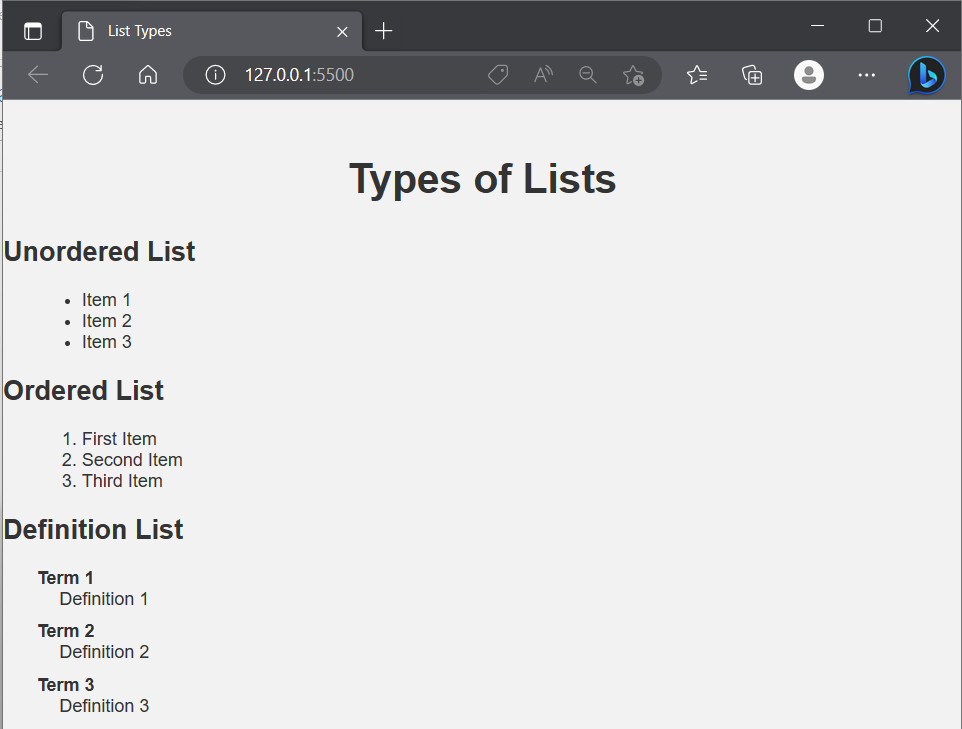
dd {

margin-bottom: 10px;

margin-left: 20px;

}

### OUTPUT



## AIM 4: Create a webpage to show your CV using nested tables.

### HTML File

<!DOCTYPE html>

<html>

<head>

<title>My Curriculum Vitae</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<div class="container">

<h1>My Curriculum Vitae</h1>

<table>

<tr>

<td colspan="2" class="section-heading">Personal Information</td>

</tr>

<tr>

<td>Name:</td>

<td>John Doe</td>

</tr>

<tr>

<td>Email:</td>

<td>johndoe@example.com</td>

</tr>

<tr>

<td>Phone:</td>

<td>555-1234</td>

</tr>

<tr>

<td>Address:</td>

<td>123 Main St<br>Anytown, USA</td>

</tr>

<tr>

<td colspan="2">&nbsp;</td>

</tr>

<tr>

<td colspan="2" class="section-heading">Education</td>

</tr>

<tr>

<td>2010-2014</td>

<td>Bachelor of Science in Computer Science<br>University of XYZ</td>

</tr>

<tr>

<td colspan="2">&nbsp;</td>

</tr>

<tr>

<td colspan="2" class="section-heading">Experience</td>

</tr>

<tr>

<td>2014-2016</td>

<td>Software Engineer<br>ABC Company</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer euismod metus sit amet arcu maximus consequat. Ut in leo quis mi lacinia tincidunt.</td>

</tr>

<tr>

<td>2016-Present</td>

<td>Senior Software Engineer<br>DEF Company</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer euismod metus sit amet arcu maximus consequat. Ut in leo quis mi lacinia tincidunt.</td>

</tr>

</table>

</div>

</body>

</html>

### CSS File

body {

font-family: Arial, sans-serif;

background-color: #f2f2f2;

color: #333;

margin: 0;

padding: 0;

}

.container {

max-width: 800px;

margin: 50px auto;

padding: 20px;

background-color: #fff;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h1 {

font-size: 36px;

font-weight: bold;

text-align: center;

margin-top: 0;

margin-bottom: 30px;

}

table {

border-collapse: collapse;

width: 100%;

}

td {

padding: 10px;

border: 1px solid #ccc;

}

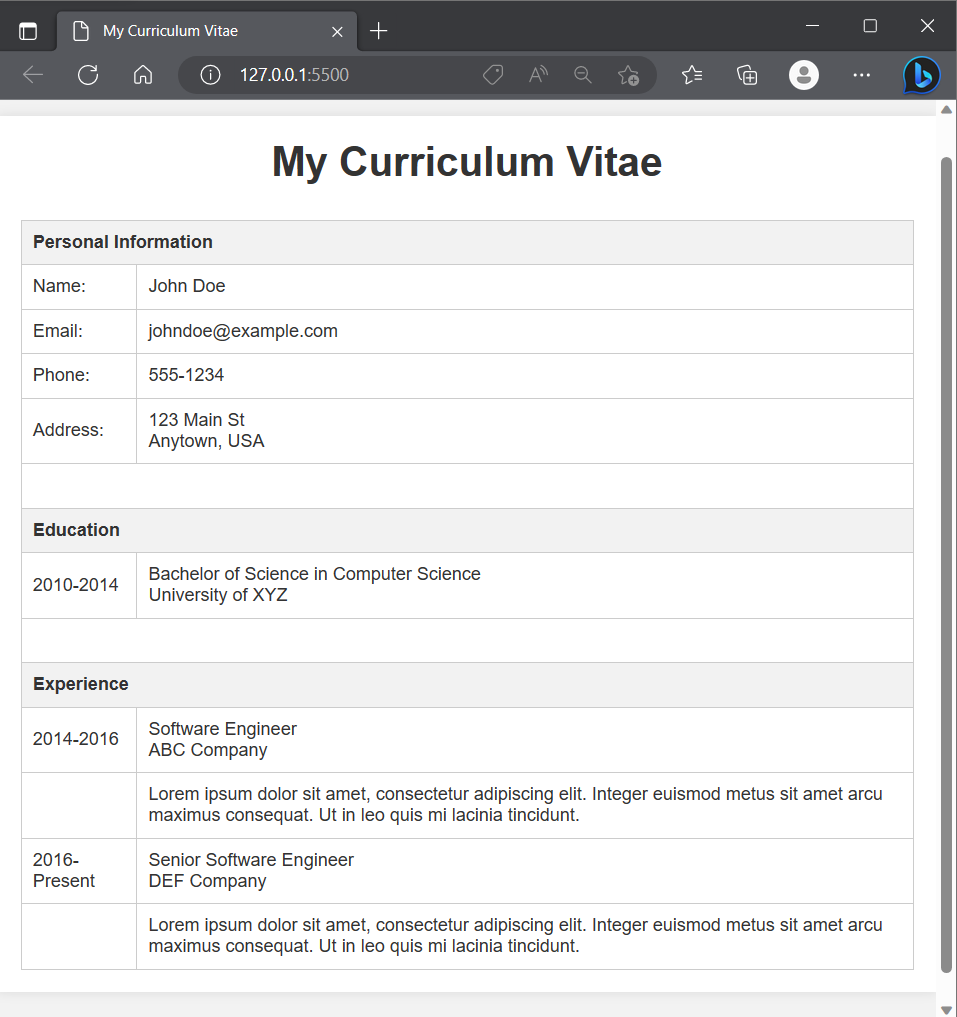
.section-heading {

font-weight: bold;

background-color: #f2f2f2;

}

### OUTPUT



## AIM 5: Create a form that accepts information from the subscriber of a mailing system.

### HTML File

<!DOCTYPE html>

<html>

<head>

<title>Subscribe to our mailing list</title>

<link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

<div class="container">

<h1>Subscribe to our mailing list</h1>

<form method="post" action="subscribe.php">

<label for="name">Name:</label>

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

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

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

<label for="interests">Interests:</label>

<select id="interests" name="interests[]" multiple required>

<option value="technology">Technology</option>

<option value="fashion">Fashion</option>

<option value="food">Food</option>

<option value="sports">Sports</option>

</select>

<label for="message">Message:</label>

<textarea id="message" name="message"></textarea>

<input type="submit" value="Subscribe">

</form>

</div>

</body>

</html>

### CSS File

body {

font-family: Arial, sans-serif;

background-color: #f2f2f2;

color: #333;

margin: 0;

padding: 0;

}

.container {

max-width: 800px;

margin: 50px auto;

padding: 20px;

background-color: #fff;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h1 {

font-size: 36px;

font-weight: bold;

text-align: center;

margin-top: 0;

margin-bottom: 30px;

}

form {

display: flex;

flex-direction: column;

}

label {

font-weight: bold;

margin-bottom: 5px;

}

input[type="text"],

input[type="email"],

textarea,

select {

padding: 10px;

border: 1px solid #ccc;

border-radius: 3px;

margin-bottom: 10px;

font-size: 16px;

}

input[type="submit"] {

background-color: #333;

color: #fff;

padding: 10px;

border: none;

border-radius: 3px;

cursor: pointer;

font-size: 16px;

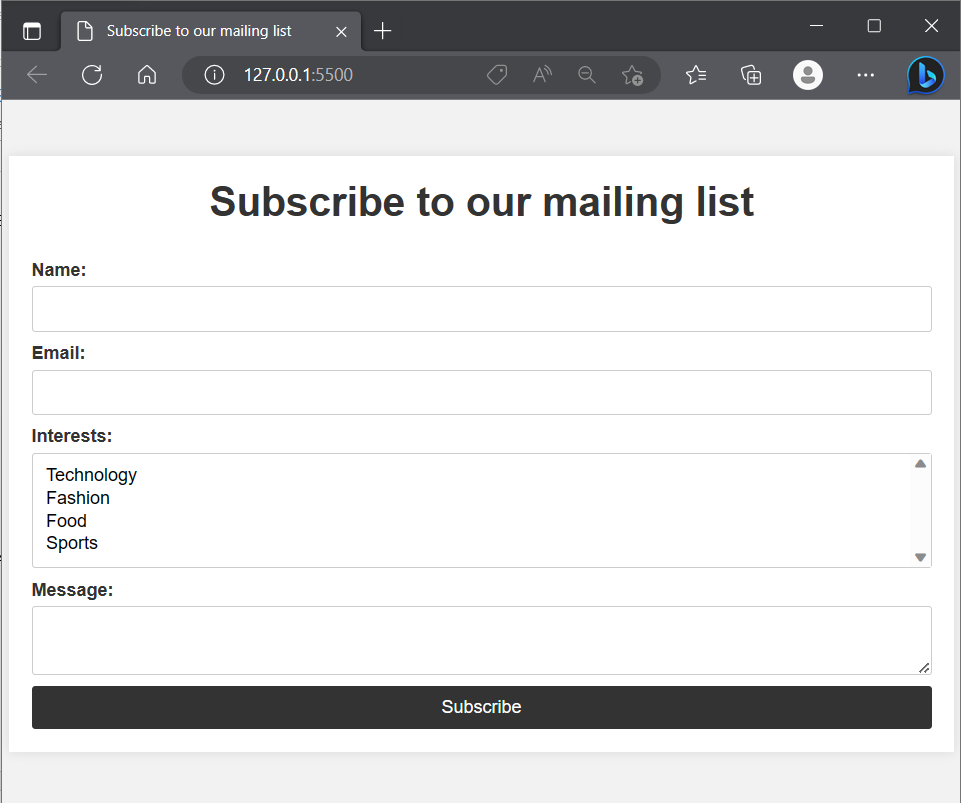
}

input[type="submit"]:hover {

background-color: #444;

}

### OUTPUT



## AIM 6: Design the page as follow

### HTML File

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8" />

<title>Using Rulers</title>

<link rel="stylesheet" type="text/css" href="styles.css" />

</head>

<body>

<h1>The Mobile ambulance-EMRI 108</h1>

<table border='2'>

<tr>

<th>Special Equipments</th>

<th colspan="2">Specifications/Performance</th>

</tr>

<tr>

<td>Retacable protective armor</td>

<td>Engine type</td>

<td>Jet turbine</td>

</tr>

<tr>

<td>Weapon system</td>

<td>Thrust</td>

<td>150lbs @103%ROS</td>

</tr>

<tr>

<td>Instrument-Aircraft</td>

<td>Torque</td>

<td>175lbs 98.7%ROS</td>

</tr>

<tr>

<td rowspan="9"><img src="ambulance.jpg" alt="ambulance"></td>

<td>0-60MPH</td>

<td>3.7sec</td>

</tr>

<tr>

<td>TOP speed</td>

<td>unknown</td>

</tr>

<tr>

<td>Break rate</td>

<td>Excellent</td>

</tr>

<tr>

<td>Wheel base</td>

<td>141.2</td>

</tr>

<tr>

<td>Length</td>

<td>300.5in</td>

</tr>

<tr>

<td>Width</td>

<td>100in</td>

</tr>

<tr>

<td>Height</td>

<td>200.25in</td>

</tr>

<tr>

<td>Wheels</td>

<td>Cast alloy</td>

</tr>

<tr>

<td>Fuel required</td>

<td>Pure petrol</td>

</tr>

</table>

</body>

</html>

### CSS File

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

font-size: 16px;

line-height: 1.5;

background-color: #f1f1f1;

display: flex;

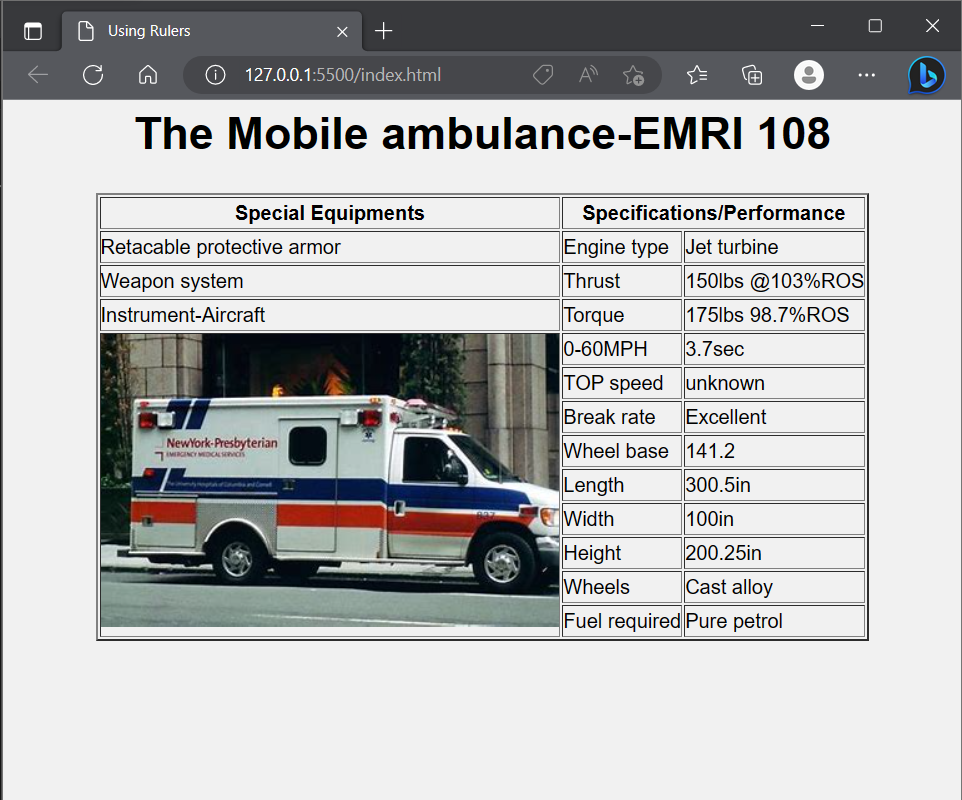
flex-direction: column;

align-items: center;

justify-content: center;

}

### OUTPUT



## AIM 7: Align images using table tag.

### HTML File

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>My Table Example</title>

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

</head>

<body>

<h1>Table With Images</h1>

<table>

<tr>

<td><img src="1.jpg" alt="Image 1"></td>

<td><img src="2.jpg" alt="Image 2"></td>

<td><img src="3.jpg" alt="Image 3"></td>

<td><img src="4.jpg" alt="Image 4"></td>

</tr>

<tr>

<td colspan="1"><img src="5.jpg" alt="Image 5"></td>

<td colspan="2">Table With Images</td>

<td colspan="1"><img src="6.jpg" alt="Image 6"></td>

</tr>

<tr>

<td><img src="7.jpg" alt="Image 7"></td>

<td><img src="8.jpg" alt="Image 8"></td>

<td><img src="9.jpg" alt="Image 9"></td>

<td><img src="10.jpg" alt="Image 10"></td>

</tr>

</table>

</body>

</html>

### CSS File

table {

border-collapse: collapse;

width: 100%;

}

td {

border: 1px solid #ccc;

padding: 10px;

text-align: center;

vertical-align: middle;

}

img {

width: 150px; /\* set the width \*/

height: 150px; /\* set the height \*/

object-fit: cover; /\* ensure that images fill the space \*/

}

body{

display: flex;

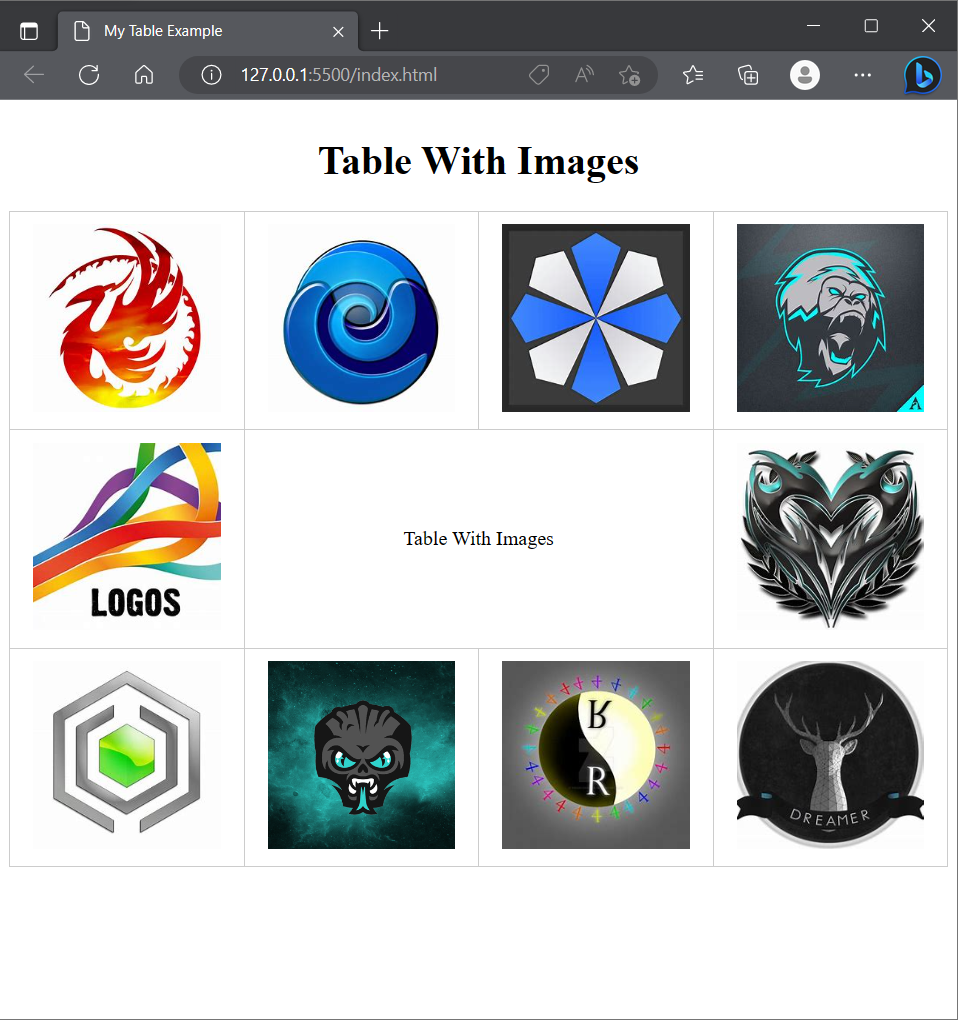
justify-content: center;

align-items: center;

flex-direction: column;

}

### OUTPUT



## AIM 8: Divide webpage using frame tag

### HTML File

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>My Frame Example</title>

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

</head>

<body>

<div class="container">

<div class="frame frame1">

<h2>Frame 1</h2>

</div>

<div class="frame frame2">

<h2>Frame 2</h2>

</div>

<div class="frame frame3">

<h2>Frame 3</h2>

</div>

</div>

</body>

</html>

### CSS File

.container {

display: grid;

grid-template-rows: 80% 20%;

grid-template-columns: 25% 75%;

grid-template-areas:

"first second";

"third third";

height: 100vh; /\* set the height of the container \*/

}

.frame {

border: 2px solid #e08d8d;

padding: 10px;

box-sizing: border-box;

}

.frame1 {

grid-area: first;

}

.frame2 {

grid-area: second;

}

.frame3 {

grid-area: third;

}

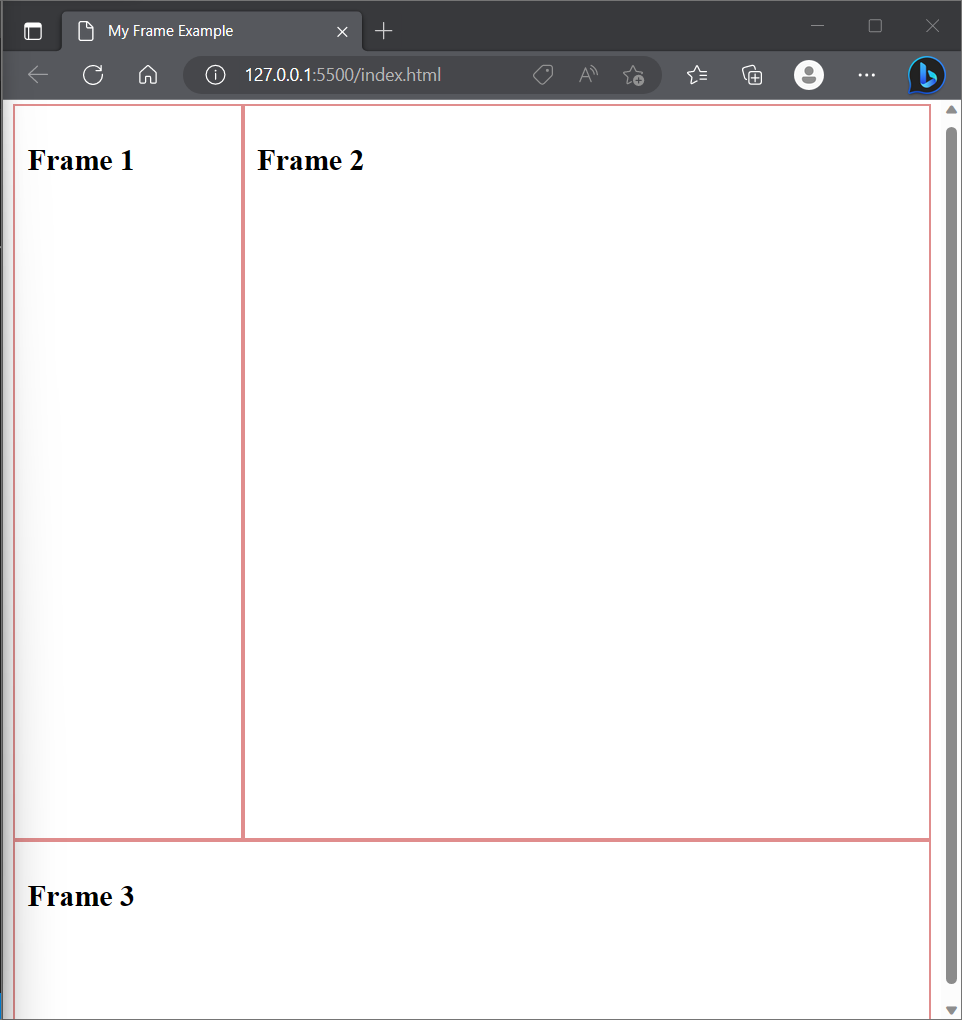
.frame1,

.frame2 {

height: 100%;

}

### OUTPUT



## AIM 9: Design page for hospital services

### HTML File

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Hospital Services</title>

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

<div class="container">

<div class="header">

<img src="ambulance.jpg" alt="Ambulance Image">

<h1>Hospital Services</h1>

</div>

<div class="content">

<h2>Welcome to Our Hospital</h2>

<p>We offer a wide range of medical services to meet your healthcare needs. Our team of experienced healthcare professionals are dedicated to providing compassionate and high-quality care to our patients.</p>

<ul>

<li>Emergency Services</li>

<li>Inpatient Care</li>

<li>Outpatient Services</li>

<li>Surgical Services</li>

<li>Diagnostic Services</li>

</ul>

</div>

<div class="footer">

<p>Thank you for visiting our hospital services website.</p>

</div>

</div>

</body>

</html>

### CSS File

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

font-size: 16px;

line-height: 1.5;

background-color: #f1f1f1;

}

.container {

max-width: 1200px;

margin: 0 auto;

padding: 20px;

}

/\* header styles \*/

.header {

display: flex;

align-items: center;

margin-bottom: 20px;

}

.header img {

max-width: 100%;

height: auto;

margin-right: 20px;

}

.header h1 {

font-size: 48px;

font-weight: bold;

}

/\* content styles \*/

.content {

display: flex;

flex-direction: column;

}

.content h2 {

font-size: 36px;

font-weight: bold;

margin-bottom: 20px;

}

.content p {

margin-bottom: 20px;

}

.content ul {

list-style: none;

margin: 0;

padding: 0;

}

.content li {

margin-bottom: 10px;

padding-left: 20px;

position: relative;

}

.content li:before {

content: "\2022";

position: absolute;

left: 0;

}

/\* footer styles \*/

.footer {

text-align: center;

margin-top: 50px;

padding-top: 20px;

border-top: 1px solid #ccc;

}

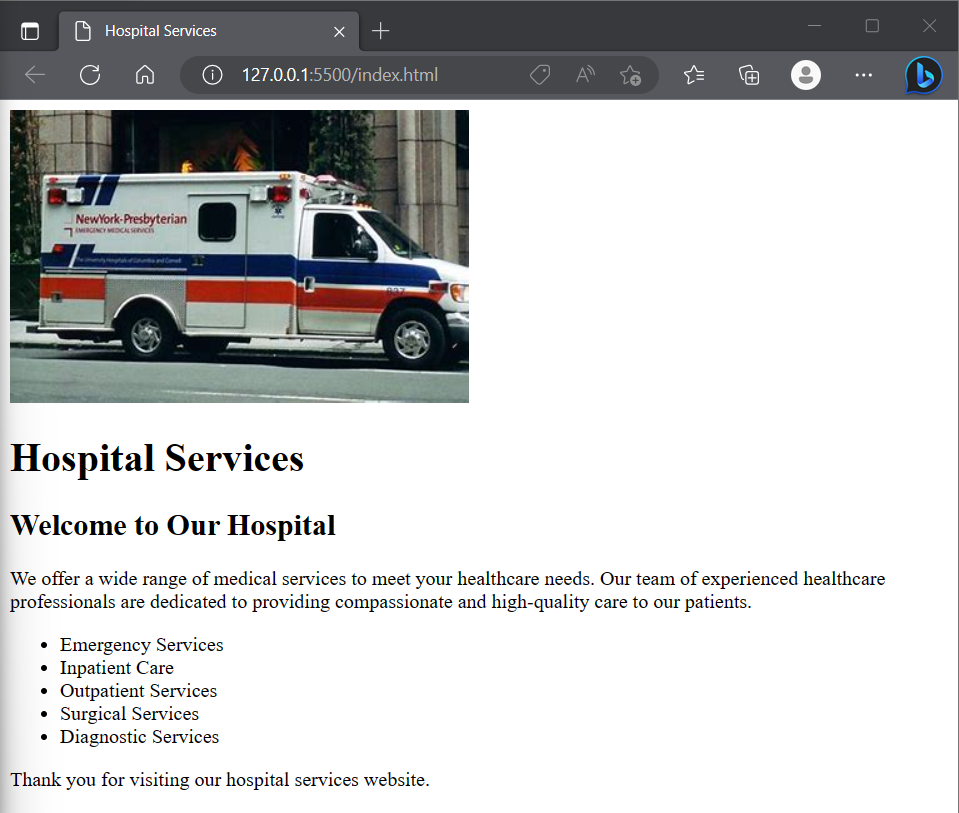
.footer p {

font-size: 18px;

color: #666;

}

### OUTPUT



## AIM 10: Create a webpage to illustrate use of rulers.

### HTML File

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8" />

<title>Using Rulers</title>

<link rel="stylesheet" type="text/css" href="styles.css" />

</head>

<body>

<div class="container">

<h1>Using Rulers</h1>

<div class="ruler">

<div class="ruler-line"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

<div class="ruler-tick"></div>

</div>

<p>

Rulers are useful tools for measuring and aligning objects on a page.

They can help you make sure that your designs are precise and

consistent, and can save you time by making it easier to position

elements exactly where you want them.

</p>

<h2>Types of Rulers</h2>

<ul>

<li>

Straightedge Rulers - These rulers are designed for measuring and

drawing straight lines. They come in a variety of sizes and are often

made of plastic or metal.

</li>

<li>

T-Square Rulers - These rulers are designed for drawing straight lines

at right angles. They are often used in technical drawing and

drafting.

</li>

<li>

French Curves - These rulers are used for drawing curves and irregular

shapes. They are often made of transparent plastic or acrylic.

</li>

<li>

Circle Templates - These rulers are used for drawing circles and

curves of different sizes. They are often made of plastic or metal and

come in a variety of sizes.

</li>

</ul>

</div>

</body>

</html>

### CSS File

/\* general styles \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

font-size: 16px;

line-height: 1.5;

background-color: #f1f1f1;

}

.container {

max-width: 800px;

margin: 0 auto;

padding: 20px;

}

h1 {

font-size: 36px;

font-weight: bold;

text-align: center;

margin-bottom: 20px;

}

h2 {

font-size: 24px;

font-weight: bold;

margin-top: 40px;

margin-bottom: 20px;

}

p {

margin-bottom: 20px;

}

ul {

list-style: none;

margin: 0;

padding: 0;

}

li {

margin-bottom: 10px;

}

/\* ruler styles \*/

.ruler {

margin: 40px auto;

width: 500px;

height: 20px;

background-color: #fff;

border: 1px solid #ccc;

position: relative;

}

.ruler-line {

width: 100%;

height: 1px;

background-color: #ccc;

position: absolute;

top: 50%;

transform: translateY(-50%);

}

.ruler-tick {

width: 1px;

height: 10px;

background-color: #ccc;

position: absolute;

top: 50%;

transform: translateY(-50%);

}

.ruler-tick:nth-child(2),

.ruler-tick:nth-child(5),

.ruler-tick:nth-child(8) {

height: 15px;

}

.ruler-tick:nth-child(3),

.ruler-tick:nth-child(6),

.ruler-tick:nth-child(9) {

height: 20px;

}

.ruler-tick:nth-child(4) {

height: 25px;

}

.ruler-tick:nth-child(1),

.ruler-tick:nth-child(10) {

height: 5px;

}

/\* footer styles \*/

footer {

background-color: #222;

color: #fff;

text-align: center;

padding: 10px 0;

position: absolute;

bottom: 0;

width: 100%;

}

### OUTPUT

