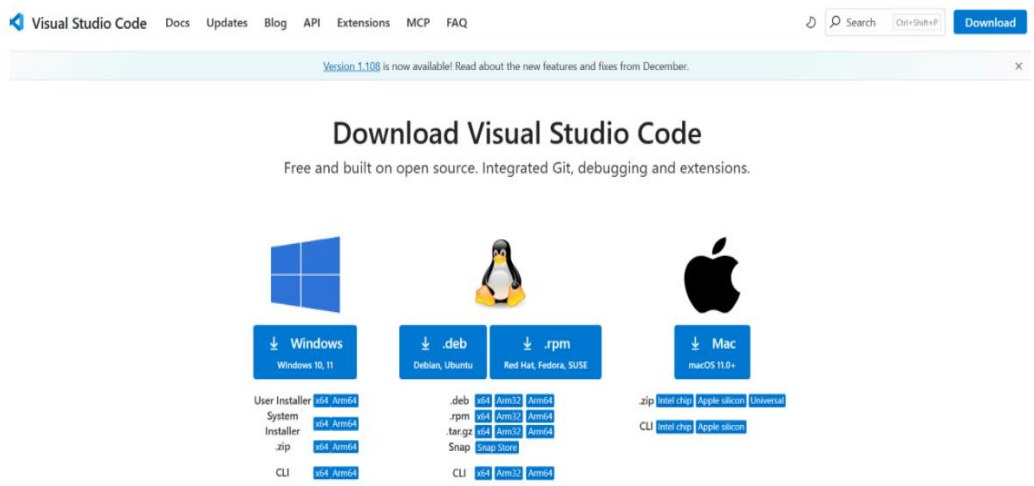
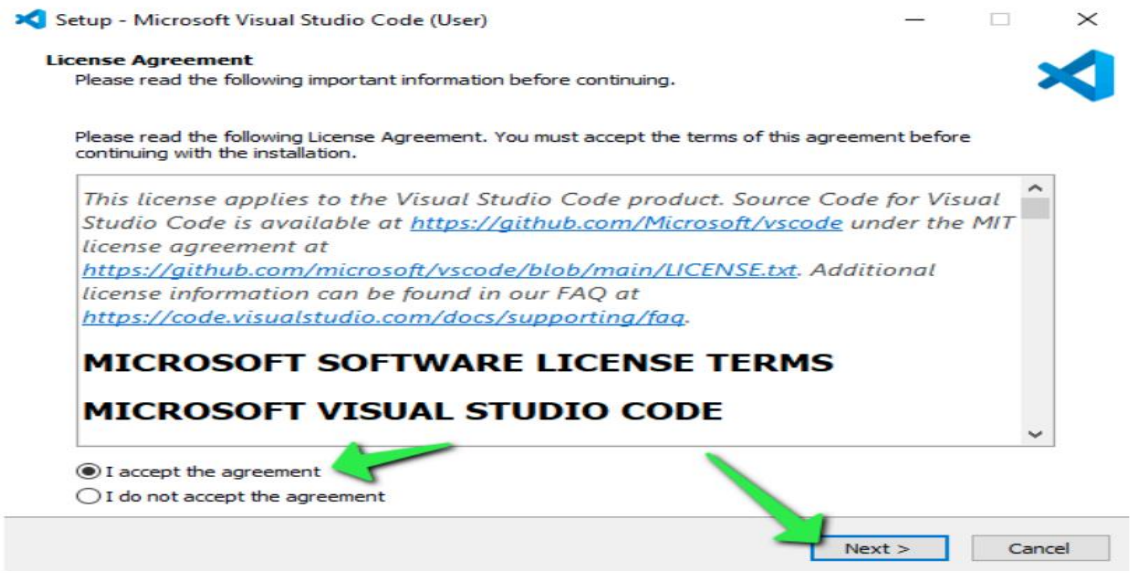
LAB -1 1. VS CODE INSTALLER

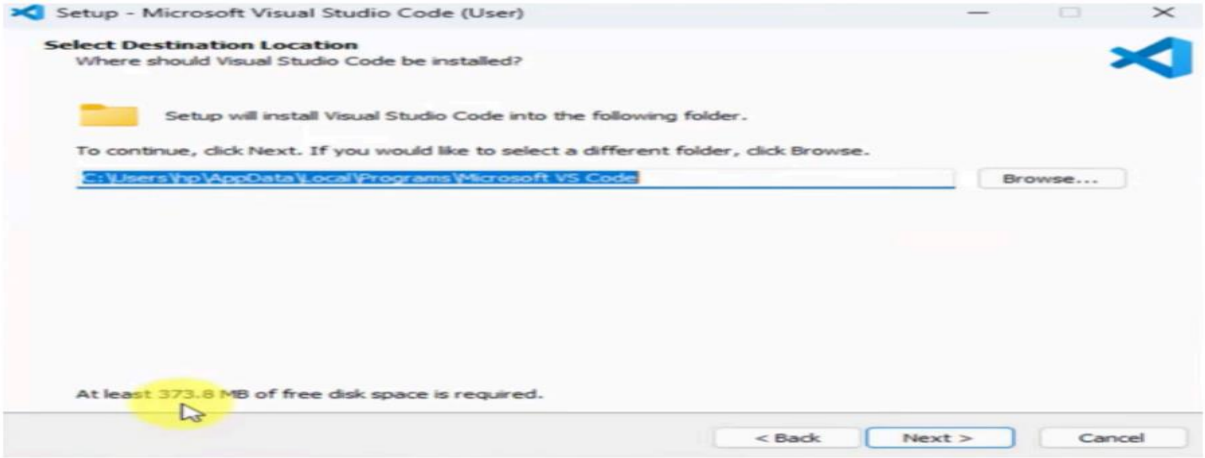
step – 1



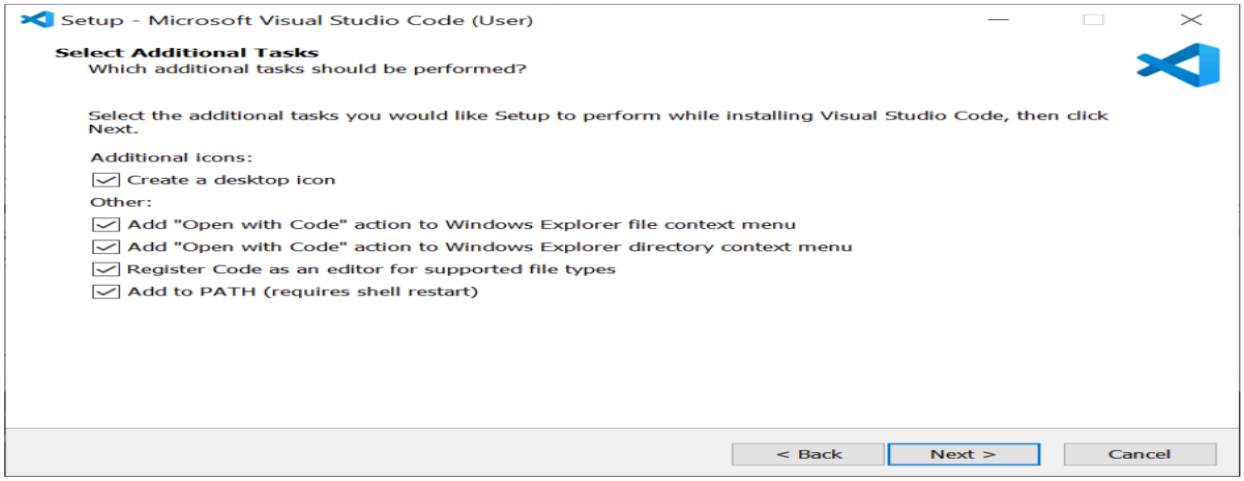
step – 2



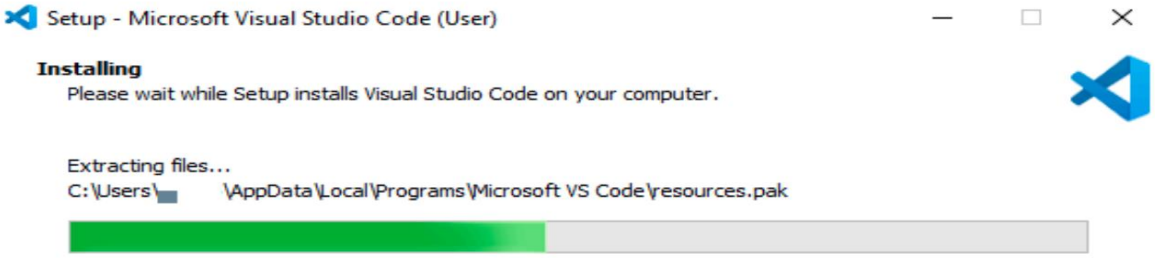
step -3



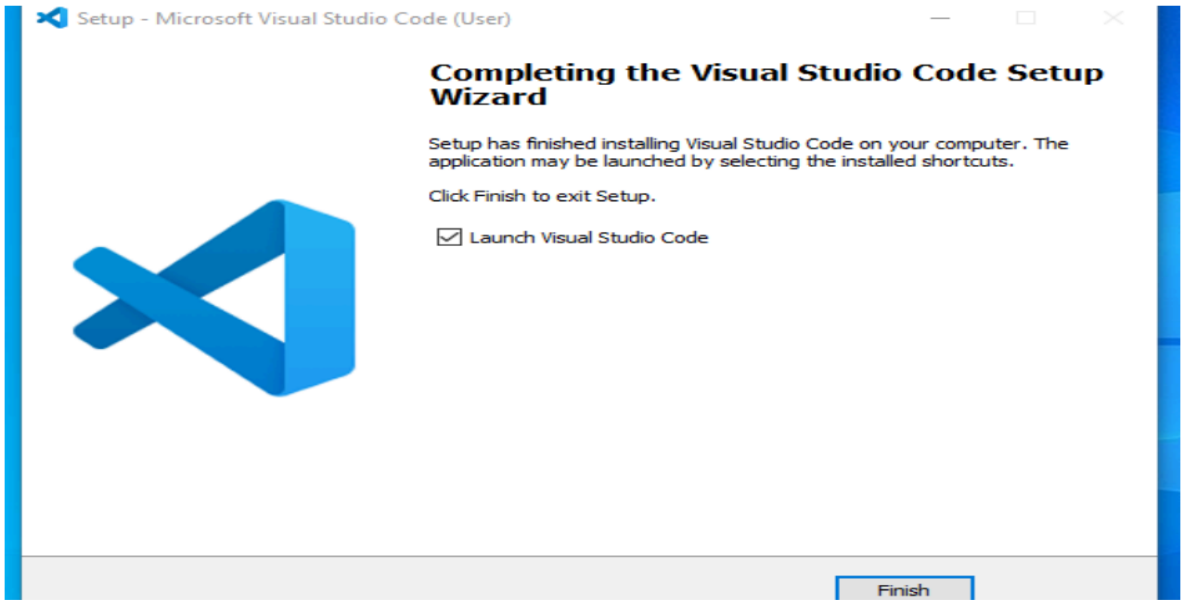
step – 4



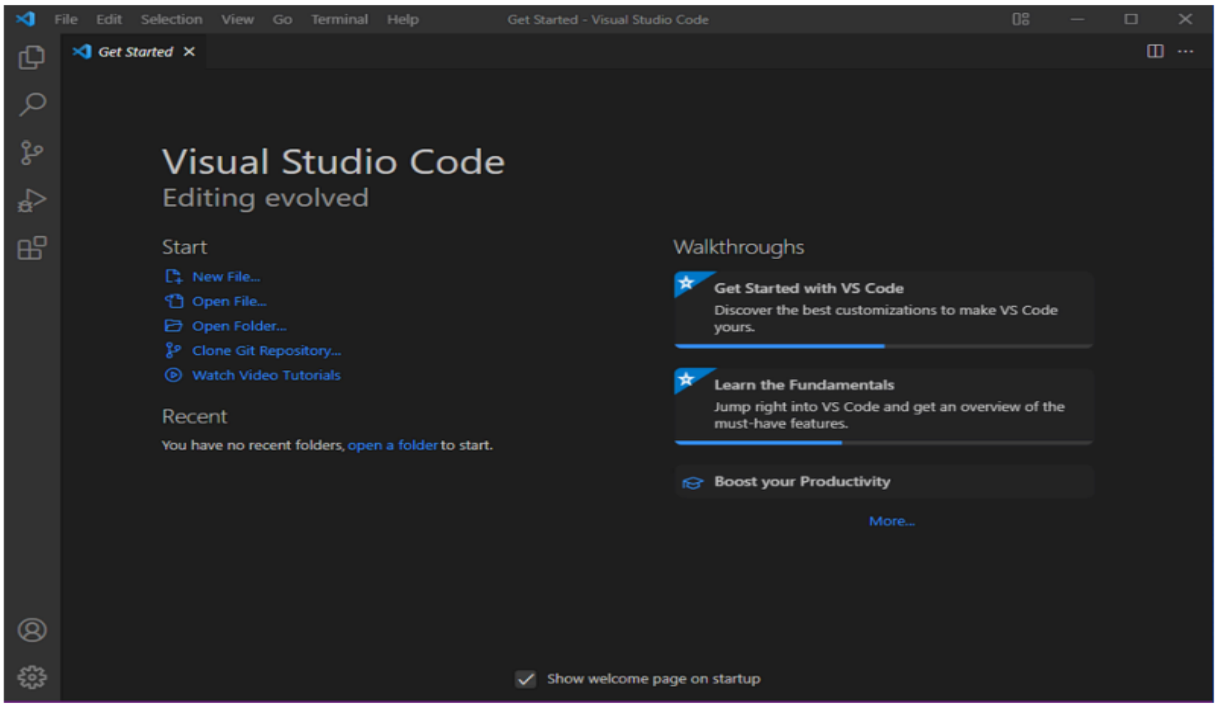
step – 5



STEP-6


Setup - Microsoft Visual Studio Code (User)
Completing the Visual Studio Code Setup Wizard
Setup has finished installing Visual Studio Code on your computer. The application may be launched by selecting the installed shortcuts.
Click Finish to exit Setup.
Launch Visual Studio Code
Finish

STEP 7:

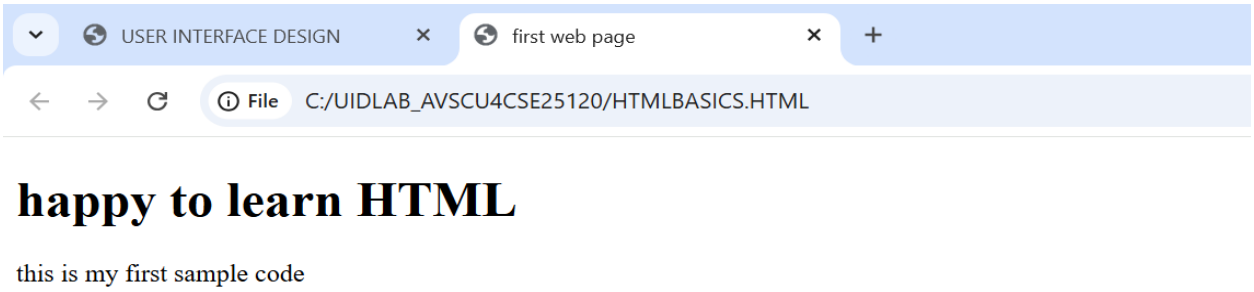

File Edit Selection View Go Terminal Help
Get Started - Visual Studio Code
Get Started
Visual Studio Code
Editing evolved
Start
New File...
Open File...
Open Folder...
Clone Git Repository...
Watch Video Tutorials
Recent
You have no recent folders, open a folder to start.
Walkthroughs
Get Started with VS Code
Discover the best customizations to make VS Code yours.
Learn the Fundamentals
Jump right into VS Code and get an overview of the must-have features.
Boost your Productivity
More...
Show welcome page on startup

2.Understanding the structure of HTML

a. Aim : To learn the basics of html(basics.html) Program:

```
<!DOCTYPE html>
<html>
 <head>
   <title>first web page</title>
 </head>
 <body>
   <h1>happy to learn HTML</h1>
   <p>this is my first sample code</p>
 </body>
</html>
```

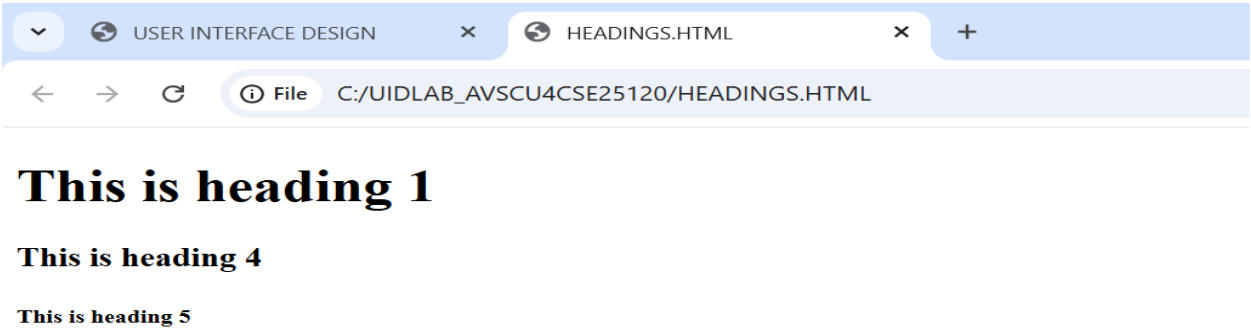
OUTPUT:



b. Aim: To learn headings in html(headings.html) Program:

```html
<!DOCTYPE html>
<html>
    <head>
        <title>second web page</title>
    </head>

    <body>
        <h1>happy to learn html</h1>
        <h2>happy to learn html</h2>
        <h3>happy to learn html</h3>
        <h4>happy to learn html</h4>
```

OUTPUT:



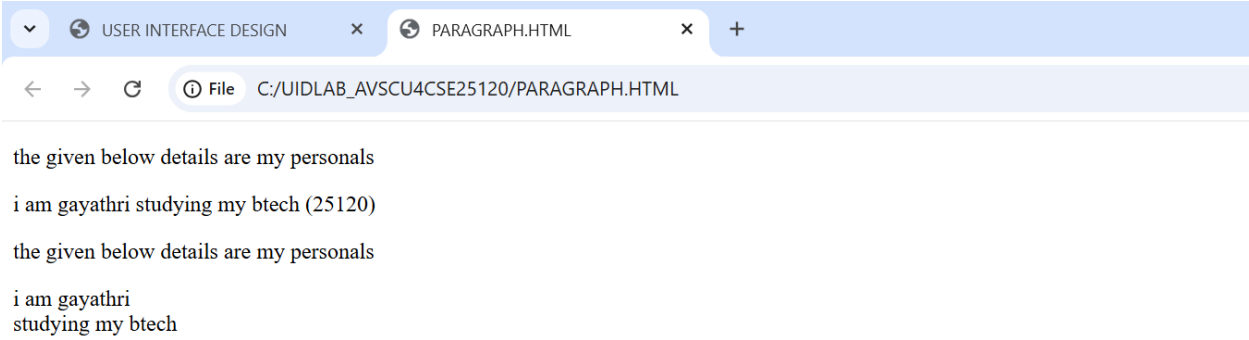
c. Aim: To learn writing a paragraph (paragraph.html)

Program:

```
<!DOCTYPE html>
<html>
   <body>
      <p>the given below details are my personals</p>
      <p> i am gayathri studying my btech (25120)</p>
   </body>

</html>
```

```
<!DOCTYPE html>
<html>
   <body>

      <p>the given below details are my personals</p>
      <p>i am gayathri <br> studying my btech</p>
   </body>
</html>
```

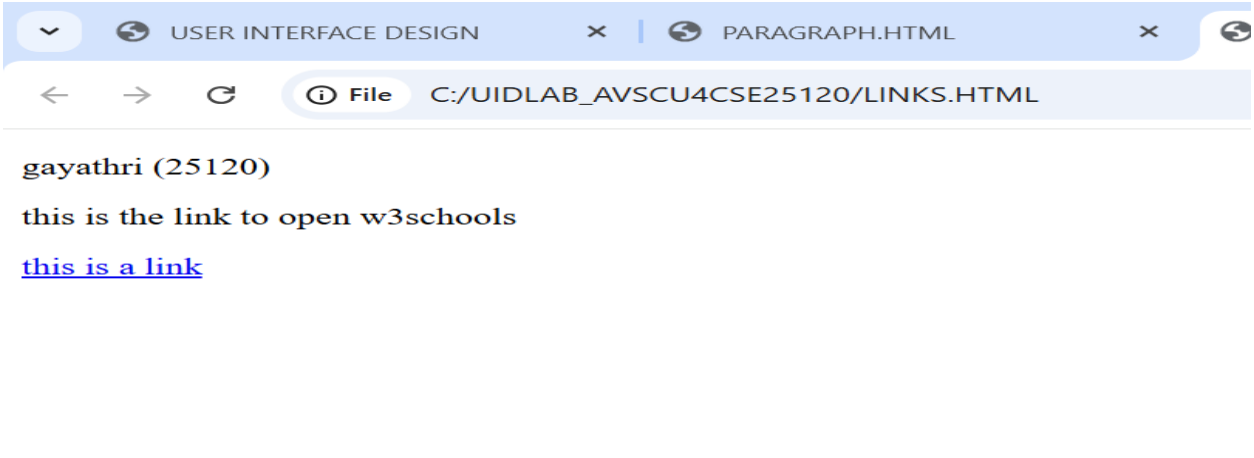
Output:

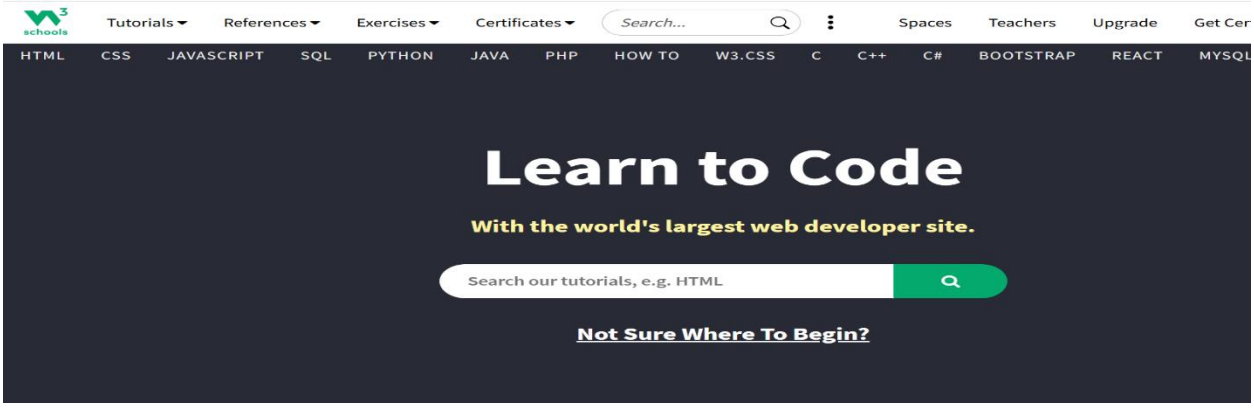


d. Aim: To learn opening links(links.html) Program:

```
<!DOCTYPE html>
<html>
  <head>
    <title>links</title>
  </head>
  <body>
    <p> gayathri (25120)</p>
    <p>this is the link to open w3schools</p>
      <a href="https://www.W3schools.com">this is a link</a>
    </p>
  </body>
</html>
```

Output:





e. Aim: To learn to show images on web page (image.html)

Program:

```
<!DOCTYPE html>
<html>
<head>
   <title>MS DHONI</title>
</head>
<body>
   <h1> thala for a reason</h1>
   <img src=https://media.gettyimages.com/id/1494318222/photo/final-chennai-super-kings-v-gujarat-titans.jpg?s=612x612&w=gi&k=20&c=yuUFkCBW8-NJQv4bFmt9nl_0lh05vvXHYkC27DGjDfc=>
</body>
</html>
```

Output:

Explanation of the tags:

HTML stands for Hyper Text Markup Language.

HTML is used to create and structure web pages.

It tells the web browser what to display and how to display it.

<DOCTYPE HTML> : The element tells the browser , this is an HTML5 document

<html> : The element is the root element of an HTML page.

<head> : The element contains meta information about the HTML page.

<p>:the <p> element defines a paragraph.

Week-2

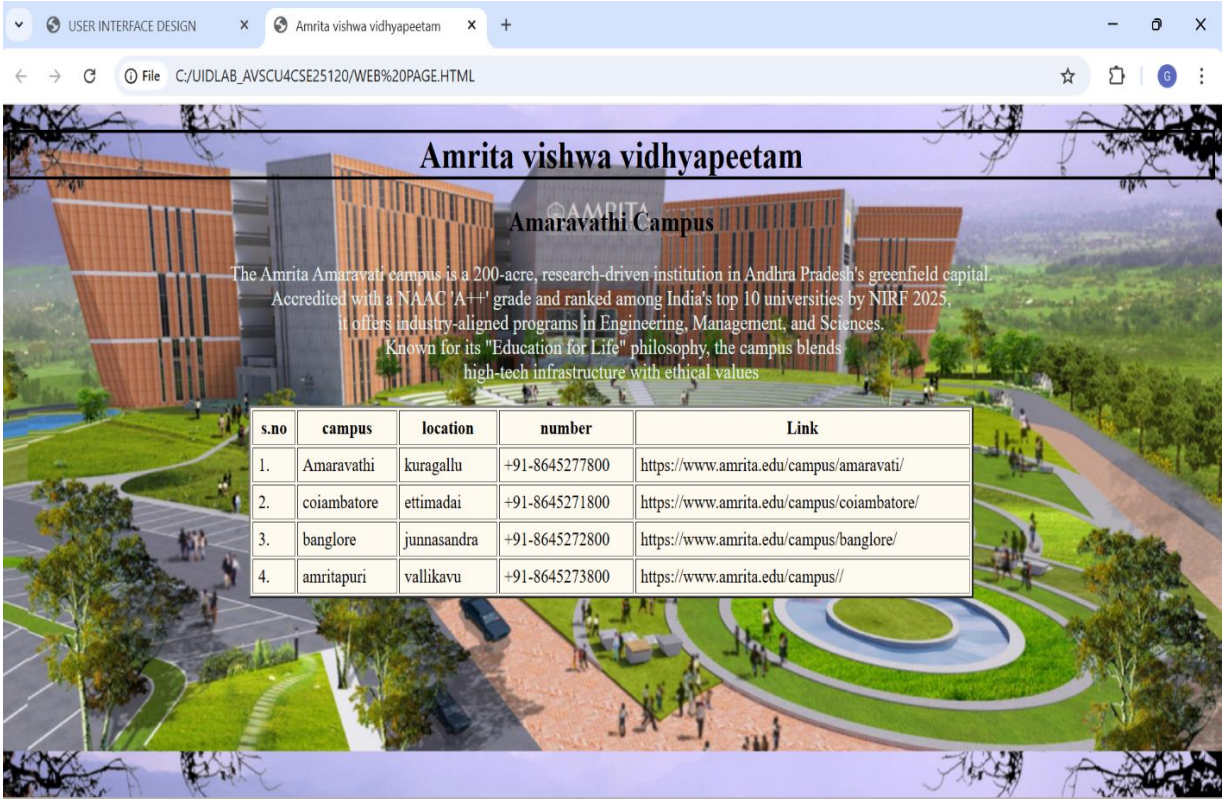
1. Aim : To create a static webpage using HTML that displays basic information about Amrita Vishwa Vidyapeetham , including a heading,descriptive text , background styling through HTML attributes and a table showing the list of campusesin different states

Procedure:

```
<!DOCTYPE html>
<html>
<head>
<title>Amrita vishwa vidhyapeetam</title>
</head>
<body style="background-color:rgb(255, 244, 230);
 background-image:url(https://webfiles.amrita.edu/2022/03/nbElb5oz-amrita-amaravati-campus-banner-2022.jpg);
background-size: cover ; background-repeat: no repeat;">
<h1 style="text-align:center; color:rgb(0, 0, 0);border: 3px solid black;
 font-family: 'Times New Roman', Times, serif;"> Amrita vishwa vidhyapeetam</h1>
<h2 style="text-align: center; color: black;font-family: 'Times New Roman', Times, serif;">
Amaravathi Campus </h2><pre style="text-align: center;font-family: 'Times New Roman', Times, serif;color:rgb(226, 239, 237);
 font-size: large;">
The Amrita Amaravati campus is a 200-acre, research-driven institution in Andhra Pradesh's greenfield capital.
Accredited with a NAAC 'A++' grade and ranked among India's top 10 universities by NIRF 2025,
it offers industry-aligned programs in Engineering, Management, and Sciences.
 Known for its "Education for Life" philosophy, the campus blends
high-tech infrastructure with ethical values
</pre>
<table border="2"; align="center"; cellpadding="5";cellspacing="10"; width="60%";
style="background-color:floralwhite;">
<tr>
<th>s.no</th>
<th>campus</th>
<th>location</th>
<th>number</th>
<th>Link</th>
</tr>
<tr>
<td>1.</td>
<td >Amaravathi</td>
```

```
<td >kuragallu</td>
<td>+91-8645277800</td>
<td >https://www.amrita.edu/campus/amaravati/</td>
</tr>
<tr>
<td>2.</td>
<td >coiambatore</td>
<td >ettimadai</td>
<td>+91-8645271800</td>
<td >https://www.amrita.edu/campus/coiambatore/</td>
</tr>
 <tr>
<td>3.</td>
<td >banglore</td>
<td >junnasandra</td>
<td>+91-8645272800</td>
<td >https://www.amrita.edu/campus/banglore/</td>
</tr>
<tr>
<td>4.</td>
<td >amritapuri</td>
<td >vallikavu</td>
<td>+91-8645273800</td>
<td >https://www.amrita.edu/campus//</td>
</tr>
</table>
</body>
</html>
```

OUTPUT:



Explanation of the tags:

<h1>,<h2>– Heading tags for main title and subtitle.

<pre> – Displays text in preformatted style, preserving space and line breaks.

<table>– Createtable to arrange data in rows and columns.

Attributes: border, align, cellpadding, cellspacing, width.

<tr>– Defines a table row.
<th>– Table heading cell (bold and centered).

<td>– Table data cell for normal content.
Inline CSS (style attribute) – Used to set background color, image, font, alignment, and borders.

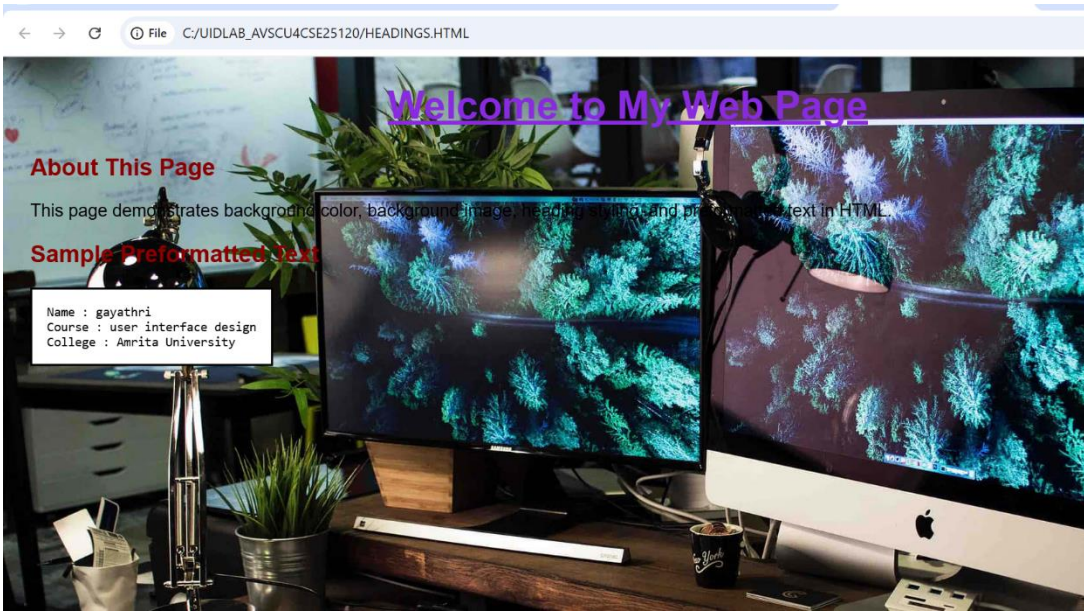
2.Aim : To design a webpage using HTML that demonstrated the use of background colour background image,heading styling and performatted text.

Procedure:

```
<!DOCTYPE html>
<html>
<head>
<title>Simple Web Page Demo</title>
<style>
/* Background color and image */
body {
background-color: antiquewhite; /* Background color */
background-image: url("https://wallpapers.com/images/hd/aesthetic-computer-pictures-
yd6kon54y013rjzh.jpg");
background-repeat: no-repeat;
background-size: cover;
background-attachment: fixed;
font-family: Arial, sans-serif }
/* Heading styling */
h1 {
color: blueviolet;
text-align: center;
text-decoration: underline;
font-size: 40px; }
h2 { color: darkred;
margin-left: 20px;}
/* Paragraph styling */
p { font-size: 18px;
margin-left: 20px; }
/* Preformatted text styling */
pre {
background-color: white;
padding: 15px;
border: 2px solid black;
width: fit-content;
margin-left: 20px;}
</style>
</head>
<body>
<h1>Welcome to My Web Page</h1>
<h2>About This Page</h2>
```

```
<p>This page demonstrates background color, background image, heading styling, and
preformatted text in HTML.</p>
<h2>Sample Preformatted Text</h2>
<pre>
Name : gayathri
Course : user interface design
College : Amrita University
</pre></body></html>
```

Output :



Explanation of the tags: h1>,

→ **Headings**

→ **Paragraph**

→ **Preformatted text**

2cAim: To design a restaurants menu webpage using HTML and displaying menu items in a table format with proper layout and visual styling.

Procedure :

```
<!DOCTYPE html>
<html>
<head>
    <title>paradise restaurant - Luxury Edition</title>
    <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:ital@1&display=swap"
rel="stylesheet">
    <style>
        body {   margin: 0;
            font-family: 'Playfair Display', serif;
            background:
url(https://imgmediagumlet.lbb.in/media/2025/03/67c59f4d2226626b47ecaf25_1741004621323.jpg)
no-repeat center center fixed;
            background-size: cover;
            color: rgb(0, 255, 30);}
        .header { background: rgba(0, 0, 0, 0.85);
            text-align: center;
            padding: 35px;
            font-size: 40px;
            letter-spacing: 3px;
            font-style: italic;
            color: rgb(21, 0, 255);
            border-bottom: 3px solid;   }
.menu-section { width: 85%;
            margin: 40px auto;
            padding: 25px;
            border-radius: 15px;
            background: rgba(0, 0, 0, 0.75);
            box-shadow: 0 8px 25px rgba(0,0,0,0.8);
        h2 { text-align: center;
```

```
            font-style: italic;
            font-size: 28px;
            color: rgb(255, 0, 230);
            border-bottom: 2px solid rgb(0, 0, 255);
            padding-bottom: 10px;     }
table {width: 100%;
            border-collapse: collapse;
            margin-top: 20px;
            font-style: italic;}
 th, td {  padding: 14px;
            text-align: center;     }
    th {    color: rgb(255, 0, 221);
            font-size: 20px;
            border-bottom: 2px solid rgb(255, 140, 0);  }
tr {background: transparent; }
     tr:hover { background: rgba(0, 179, 255, 0.15);
         transition: 0.3s;    }
.price {   color: #ff0000;
            font-weight: bold;  }
   .footer { text-align: center;
            padding: 20px;
            background: rgba(0, 0, 0, 0.9);
            color: rgb(0, 255, 149);
            font-style: italic;
            border-top: 2px solid rgb(255, 0, 30); }
    </style>
</head>
<body>
```

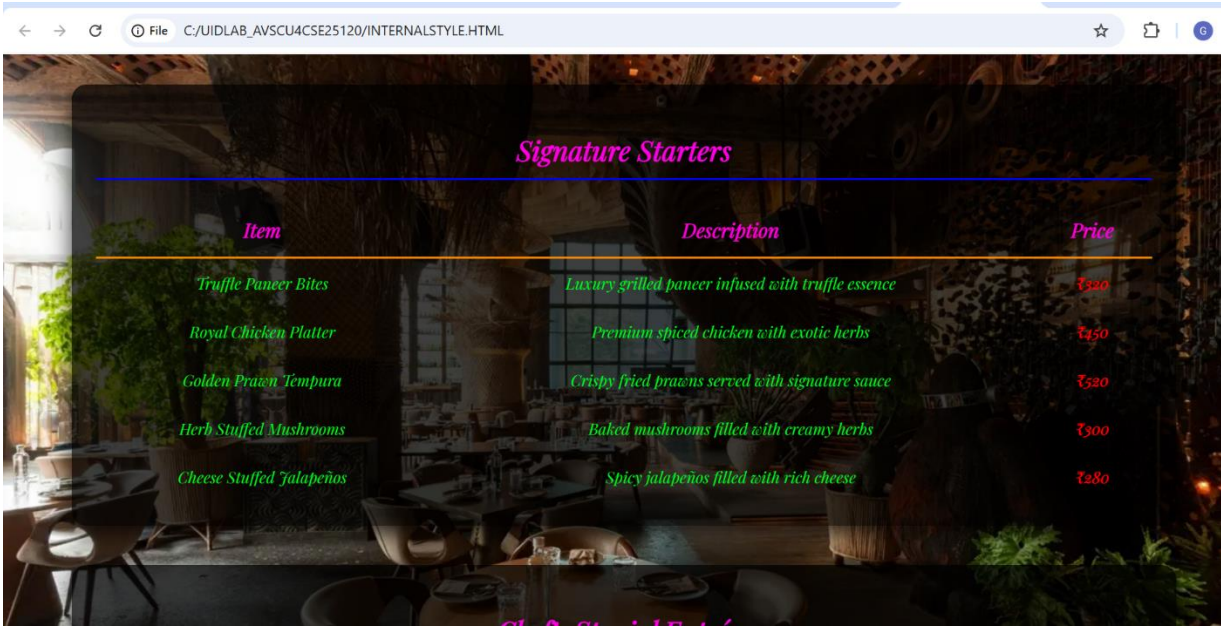
```
<div class="header">
   AHAARUCHI
☆☆☆☆☆
</div><div class="menu-section">
   <h2>Signature Starters</h2>
   <table>
      <tr>
        <th>Item</th>
          <th>Description</th>
          <th>Price</th>
      </tr>
 <tr>
          <td>Truffle Paneer Bites</td>
          <td>Luxury grilled paneer infused with truffle essence</td>
          <td class="price">₹320</td>
      </tr> <tr>
          <td>Royal Chicken Platter</td>
          <td>Premium spiced chicken with exotic herbs</td>
          <td class="price">₹450</td>
      </tr>  <tr>
          <td>Golden Prawn Tempura</td>
          <td>Crispy fried prawns served with signature sauce</td>
          <td class="price">₹520</td>
      </tr><tr>
          <td>Herb Stuffed Mushrooms</td>
          <td>Baked mushrooms filled with creamy herbs</td>
          <td class="price">₹300</td>
      </tr>  <tr>
```

```
            <td>Cheese Stuffed Jalapeños</td>
            <td>Spicy jalapeños filled with rich cheese</td>
            <td class="price">₹280</td>
        </tr>
    </table>
</div>
<div class="menu-section">
    <h2>Chef's Special Entrées</h2>
    <table>  <tr>
            <th>Item</th>
            <th>Description</th>
            <th>Price</th> </tr>
        <tr>  <td>Imperial Mutton Biryani</td>
            <td>Slow-cooked aromatic rice with premium mutton</td>
            <td class="price">₹550</td>  </tr>
        <tr>       <td>Golden Cream Pasta</td>
            <td>Rich Alfredo sauce with fine herbs</td>
            <td class="price">₹380</td>  </tr>
        <tr>    <td>Grilled Salmon Steak</td>
            <td>Fresh salmon grilled to perfection</td>
            <td class="price">₹650</td>  </tr>
 <tr> <td>Royal Butter Chicken</td>
            <td>Creamy tomato gravy with tender chicken</td>
            <td class="price">₹480</td> </tr>
        <tr>   <td>Luxury Veg Lasagna</td>
            <td>Layered pasta with cheese and vegetables</td>
            <td class="price">₹420</td>  </tr>
    </table></div>
```

```
div class="menu-section">
    <h2>Luxury Desserts</h2>
    <table>
        <tr>    <th>Item</th>
            <th>Description</th>
            <th>Price</th>
        </tr><tr>
            <td>Belgian Chocolate Delight</td>
            <td>Premium dark chocolate layered dessert</td>
            <td class="price">₹290</td>
        </tr>  <tr>
            <td>Royal Saffron Kulfi</td>
            <td>Traditional saffron-infused frozen dessert</td>
            <td class="price">₹220</td>
        </tr> <tr>
            <td>Strawberry Cheesecake</td>
            <td>Creamy cheesecake topped with strawberries</td>
            <td class="price">₹310</td>
        </tr> <tr>
            <td>Tiramisu Classic</td>
            <td>Italian layered coffee-flavored dessert</td>
            <td class="price">₹350</td>
        </tr></table>
</div>
div class="menu-section">
    <h2>Premium Beverages</h2>
    <table>  <tr>  <th>Item</th>
            <th>Description</th>
```

```
            <th>Price</th></tr>
        <tr>   <td>Fresh Fruit Mocktail</td>
            <td>Blend of seasonal fruits with sparkling soda</td>
            <td class="price">₹190</td>  </tr>
        <tr> <td>Classic Cappuccino</td>
            <td>Rich espresso topped with frothy milk</td>
            <td class="price">₹160</td>
        </tr>  <tr>
            <td>Blue Lagoon</td>
            <td>Refreshing citrus drink with blue curacao flavor</td>
            <td class="price">₹210</td>
        </tr> <tr><td>Mint Mojito</td>
            <td>Fresh mint with lime and soda</td>
            <td class="price">₹170</td></tr>
    </table>
</div><div class="footer">
    Experience Luxury Dining | Contact: 9727727180
</div>
</body>
</html>
```

Output:


File C:/UIDLAB_AVSCU4CSE25120/INTERNALSTYLE.HTML
Signature Starters
Item
Description
Price
Truffle Paneer Bites
Luxury grilled paneer infused with truffle essence
₹320
Royal Chicken Platter
Premium spiced chicken with exotic herbs
₹450
Golden Prawn Tempura
Crispy fried prawns served with signature sauce
₹520
Herb Stuffed Mushrooms
Baked mushrooms filled with creamy herbs
₹300
Cheese Stuffed Jalapeños
Spicy jalapeños filled with rich cheese
₹280

Chef's Special Entrées
Item
Description
Imperial Mutton Biryani
Slow-cooked aromatic rice with premium mutton
Golden Cream Pasta
Rich Alfredo sauce with fine herbs
Grilled Salmon Steak
Fresh salmon grilled to perfection
Royal Butter Chicken
Creamy tomato gravy with tender chicken
Luxury Veg Lasagna
Layered pasta with cheese and vegetables
div class="menu-section">
Luxury Desserts

Week-3

1. Aim: Construction of Class Timetable using html Elements

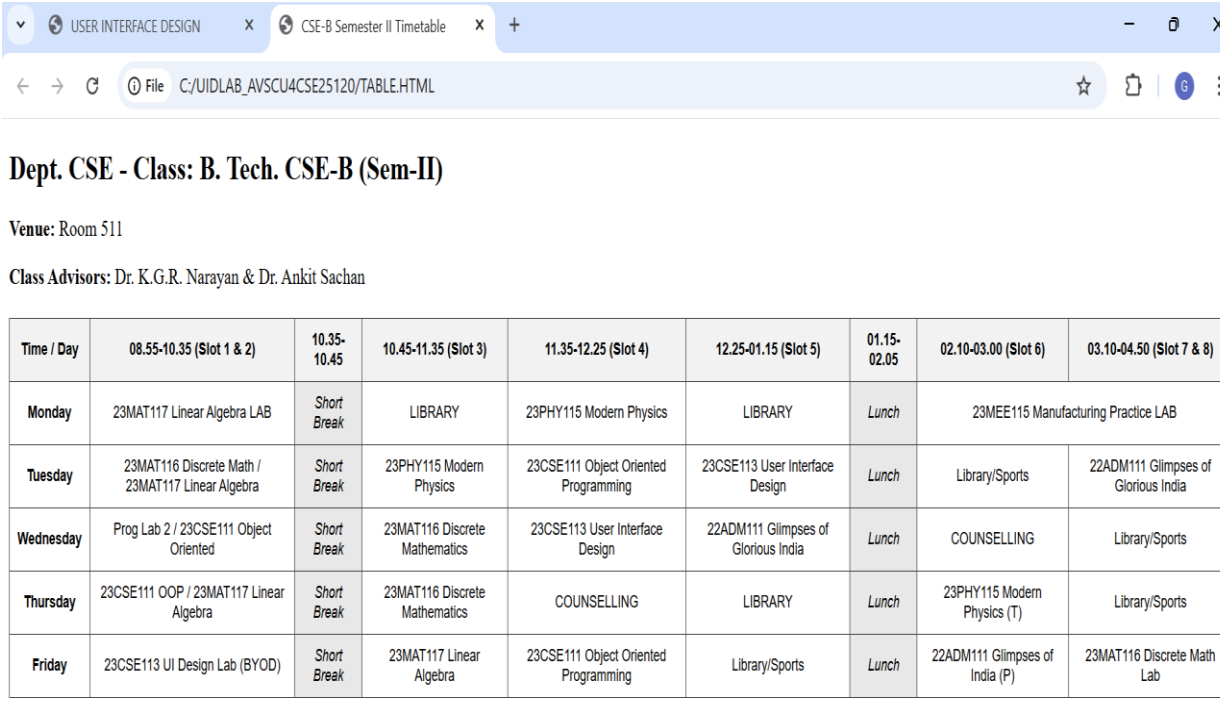
   Program:

```
<!DOCTYPE html>
<html>
<head>

    <title>CSE-B Semester II Timetable</title>
    <style>
        table { width: 100%; border-collapse: collapse; font-family: Arial, sans-serif; }
        th, td { border: 1px solid #444; padding: 8px; text-align: center; font-size: 12px; }
        th { background-color: #f2f2f2; }
        .break { background-color: #e8e8e8; font-style: italic; }
        .header-info { margin-bottom: 20px; }
    </style>
</head>
<body>

<div class="header-info">
    <h2>Dept. CSE - Class: B. Tech. CSE-B (Sem-II)</h2>
    <p><strong>Venue:</strong> Room 511</p>
    <p><strong>Class Advisors:</strong> Dr. K.G.R. Narayan & Dr. Ankit Sachan</p>
</div>

<table>
    <thead>
        <tr>
            <th>Time / Day</th>
            <th>08.55-10.35 (Slot 1 & 2)</th>
            <th>10.35-10.45</th>
            <th>10.45-11.35 (Slot 3)</th>
            <th>11.35-12.25 (Slot 4)</th>
            <th>12.25-01.15 (Slot 5)</th>
            <th>01.15-02.05</th>
            <th>02.10-03.00 (Slot 6)</th>
            <th>03.10-04.50 (Slot 7 & 8)</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td><strong>Monday</strong></td>
```

```
    <td>23MAT117 Linear Algebra LAB</td>
    <td class="break">Short Break</td>
    <td>LIBRARY</td>
    <td>23PHY115 Modern Physics</td>
    <td>LIBRARY</td>
    <td class="break">Lunch</td>
    <td colspan="2">23MEE115 Manufacturing Practice LAB</td>
</tr>
<tr>
    <td><strong>Tuesday</strong></td>
    <td>23MAT116 Discrete Math / 23MAT117 Linear Algebra</td>
    <td class="break">Short Break</td>
    <td>23PHY115 Modern Physics</td>
    <td>23CSE111 Object Oriented Programming</td>
    <td>23CSE113 User Interface Design</td>
    <td class="break">Lunch</td>
    <td>Library/Sports</td>
    <td>22ADM111 Glimpses of Glorious India</td>
</tr>
<tr>
    <td><strong>Wednesday</strong></td>
    <td>Prog Lab 2 / 23CSE111 Object Oriented</td>
    <td class="break">Short Break</td>
    <td>23MAT116 Discrete Mathematics</td>
    <td>23CSE113 User Interface Design</td>
    <td>22ADM111 Glimpses of Glorious India</td>
    <td class="break">Lunch</td>
    <td>COUNSELLING</td>
    <td>Library/Sports</td>
</tr>
<tr>
    <td><strong>Thursday</strong></td>
    <td>23CSE111 OOP / 23MAT117 Linear Algebra</td>
    <td class="break">Short Break</td>
    <td>23MAT116 Discrete Mathematics</td>
    <td>COUNSELLING</td>
    <td>LIBRARY</td>
    <td class="break">Lunch</td>
    <td>23PHY115 Modern Physics (T)</td>
    <td>Library/Sports</td>
</tr>
<tr>
    <td><strong>Friday</strong></td>
```

```
            <td>23CSE113 UI Design Lab (BYOD)</td>
            <td class="break">Short Break</td>
            <td>23MAT117 Linear Algebra</td>
            <td>23CSE111 Object Oriented Programming</td>
            <td>Library/Sports</td>
            <td class="break">Lunch</td>
            <td>22ADM111 Glimpses of India (P)</td>
            <td>23MAT116 Discrete Math Lab</td>
        </tr>
    </tbody>
</table>

</body>
</html>
```

Output:



USER INTERFACE DESIGN | CSE-B Semester II Timetable

File C:/UIDLAB_AVSCU4CSE25120/TABLE.HTML

Dept. CSE - Class: B. Tech. CSE-B (Sem-II)

Venue: Room 511

Class Advisors: Dr. K.G.R. Narayan & Dr. Ankit Sachan

Time / Day	08.55-10.35 (Slot 1 & 2)	10.35-10.45	10.45-11.35 (Slot 3)	11.35-12.25 (Slot 4)	12.25-01.15 (Slot 5)	01.15-02.05	02.10-03.00 (Slot 6)	03.10-04.50 (Slot 7 & 8)
Monday	23MAT117 Linear Algebra LAB	*Short Break*	LIBRARY	23PHY115 Modern Physics	LIBRARY	*Lunch*	23MEE115 Manufacturing Practice LAB	
Tuesday	23MAT116 Discrete Math / 23MAT117 Linear Algebra	*Short Break*	23PHY115 Modern Physics	23CSE111 Object Oriented Programming	23CSE113 User Interface Design	*Lunch*	Library/Sports	22ADM111 Glimpses of Glorious India
Wednesday	Prog Lab 2 / 23CSE111 Object Oriented	*Short Break*	23MAT116 Discrete Mathematics	23CSE113 User Interface Design	22ADM111 Glimpses of Glorious India	*Lunch*	COUNSELLING	Library/Sports
Thursday	23CSE111 OOP / 23MAT117 Linear Algebra	*Short Break*	23MAT116 Discrete Mathematics	COUNSELLING	LIBRARY	*Lunch*	23PHY115 Modern Physics (T)	Library/Sports
Friday	23CSE113 UI Design Lab (BYOD)	*Short Break*	23MAT117 Linear Algebra	23CSE111 Object Oriented Programming	Library/Sports	*Lunch*	22ADM111 Glimpses of India (P)	23MAT116 Discrete Math Lab

Explanation of the tags

<table>: is used to create the timetable structure with borders and spacing.

<tr>:defines table rows for each day.

<th>:is used for headings like time slots and days.

<td>:is used for headings like time slots and days. : is used to enter subjects and activities.

colspan :merges columns for lab hours.

rowspan : merges rows for short break and lunch break.

bgcolor :gives background color to break cells. class="vertical" : applies vertical text style.

style attribute changes text color for specific cells.

2 . Aim: Construction of web page Displaying Each Syllabus of each Subject Displaying as Image Format and also displaying the Corresponding time table of current semester

Program:

UIDLAB-CSE25120

```
<!DOCTYPE html>
<html>
<head>
<title>Syllabus, Faculty & Master Time Table</title>
<style>
body{
font-family: Arial;
background-color: #f2f6ff;
text-align: center;
 }
h2{
margin: 25px 0 15px 0;
 }
/* Gallery */
.gallery{
display: grid;
grid-template-columns: 1fr 1fr ;
```

```
gap: 25px;
width: 90%;
margin: auto;
 }
 .card{
background-color: white;
padding: 10px;
border-radius: 10px;
border: 2px solid black;
 }
.card img{
width: 100%;
border-radius: 8px;
 }
.title{
font-weight: bold;
font-size: 18px;
margin: 8px 0;
 }
.faculty{
color: #333;
margin-bottom: 8px;
 }
/* Tables */
table{
border-collapse: collapse;
margin: 30px auto;
background-color: white;
width: 95%;
```

```
 }
th{
background-color: #dbe4f2;
 }
td, th{
border: 1px solid black;
padding: 8px;
text-align: center;
 }
.break{
background-color: yellow;
font-weight: bold;
 }
.vertical {
writing-mode: vertical-rl;
transform: rotate(180deg);
text-align: center;
font-weight: bold;
letter-spacing: 2px;
 }
</style>
</head>
<body>
<h2>SUBJECT SYLLABUS & FACULTY</h2>
<div class="gallery">
<div class="card">
<div class="title">23MAT116 – Discrete Mathematics</div>
<div class="faculty">Faculty: Dr. Srivasa Rao Thota</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img1.png.png">
```

```
</div>
<div class="card">
<div class="title">23MAT117 – Linear Algebra</div>
<div class="faculty">Faculty: Mr. Sapavat Bixapathi</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img2.png.png">
</div>
<div class="card">
<div class="title">23CSE111 – Object Oriented Programming</div>
<div class="faculty">Faculty: Dr. Balaji TK</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img3.png.png">
</div>
<div class="card">
<div class="title">23PHY115 – Modern Physics</div>
<div class="faculty">Faculty: Dr. C R Kesavalu</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img4.png.png">
</div>
<div class="card">
<div class="title">23CSE113 – User Interface Design</div>
<div class="faculty">Faculty: Dr. Rajkumar Batchu<br>Assisting: Mr. Barge Bharadwaj</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img5.png.png">
</div>
<div class="card">
<div class="title">23MEE115 – Manufacturing Practice Lab</div>
<div class="faculty">Faculty: Dr. Sathies S.</div>
<img src="C:\Users\Divya\OneDrive\Desktop\UID lab\syllabusproject\img6.png.png">
</div>
</div>
<h2 align="center">Master Time Table CSE II Semester B Section</h2>
<table border="1" cellspacing="0" cellpadding="8" align="center">
```

<tr>

<th>Time / Day</th>

<th>Slot 1
08:55–09:45</th>

<th>Slot 2
09:45–10:35</th>

<th>10:35–10:45</th>

<th>Slot 3
10:45–11:35</th>

<th>Slot 4
11:35–12:25</th>

<th>Slot 5
12:25–01:15</th>

<th>01:15–02:05</th>

<th>Slot 6
02:10–03:00</th>

<th>03:00–03:10</th>

<th>Slot 7
03:10–04:00</th>

<th>Slot 8
04:00–04:50</th>

</tr>

<tr>

<th>Monday</th>

<td colspan="2">23MAT117 Linear Algebra LAB (BYOD)</td>

<td rowspan="5" bgcolor="lightgreen" class="vertical">SHORT BREAK</td>

<td>LIBRARY</td>

<td>23PHY115 Modern Physics</td>

<td>LIBRARY</td>

<td rowspan="5" bgcolor="lightgreen" class="vertical">LUNCH BREAK</td>

<td>23MEE115 Manufacturing Practice LAB</td>

<td rowspan="5" bgcolor="lightgreen" class="vertical">SHORT BREAK</td>

<td colspan="2">23MEE115 Manufacturing Practice LAB</td>

</tr>

<tr>

<th>Tuesday</th>

<td>23MAT116 Discrete Mathematics</td>

<td>23MAT117 Linear Algebra</td>

<td>23PHY115 Modern Physics</td>

<td>23CSE111 Object Oriented Programming</td>

<td>23CSE113 User Interface Design</td>

<td>Library/Sports</td>

<td colspan="2">22ADM111 Glimpses of Glorious India</td>

</tr>

<tr>

<th>Wednesday</th>

<td colspan="2">23CSE111 OOPS Lab</td>

<td>23MAT116 Discrete Mathematics</td>

<td>23CSE113 User Interface Design</td>

<td>22ADM111 Glimpses of Glorious India</td>

<td style="color:sandybrown;">COUNSELLING</td>

<td colspan="2">Library/Sports</td>

</tr>

<tr>

<th>Thursday</th>

<td>23MAT117 Linear Algebra</td>

<td>23CSE111 Object Oriented Programming</td>

<td>23MAT116 Discrete Mathematics</td>

<td style="color:sandybrown;">COUNSELLING</td>

<td>LIBRARY</td>

<td>23PHY115 Modern Physics (T)</td>

<td colspan="2">Library/Sports</td>

</tr>

<tr>

<th>Friday</th>

<td colspan="2">23CSE113 User Interface Design Lab BYOD</td>

<td>23MAT117 Linear Algebra</td>

<td>23CSE111 Object Oriented Programming</td>

<td>Library/Sports</td>

<td>22ADM111 Glimpses of Glorious India (P)</td>

<td colspan="2">23MAT116 Discrete Mathematics Lab</td>

<tr>

<th colspan="1">Course Code</th>

<th colspan="3">Course Name</th>

<th>L-T-P</th>

<th>Credits</th>

<th colspan="3">Faculty Name</th>

<th colspan="3">Assisting Faculty</th>

</tr>

<tr>

<td colspan="1">23MAT116</td>

<td colspan="3">Discrete Mathematics</td>

<td>3-0-2</td>

<td>4</td>

<td colspan="3">Dr. Srivasa Rao Thota</td>

<td colspan="3"></td>

</tr>

<tr>

<td colspan="1">23MAT117</td>

<td colspan="3">Linear Algebra</td>

<td>3-0-2</td>

<td>4</td>

<td colspan="3">Mr. Sapavat Bixapathi</td>

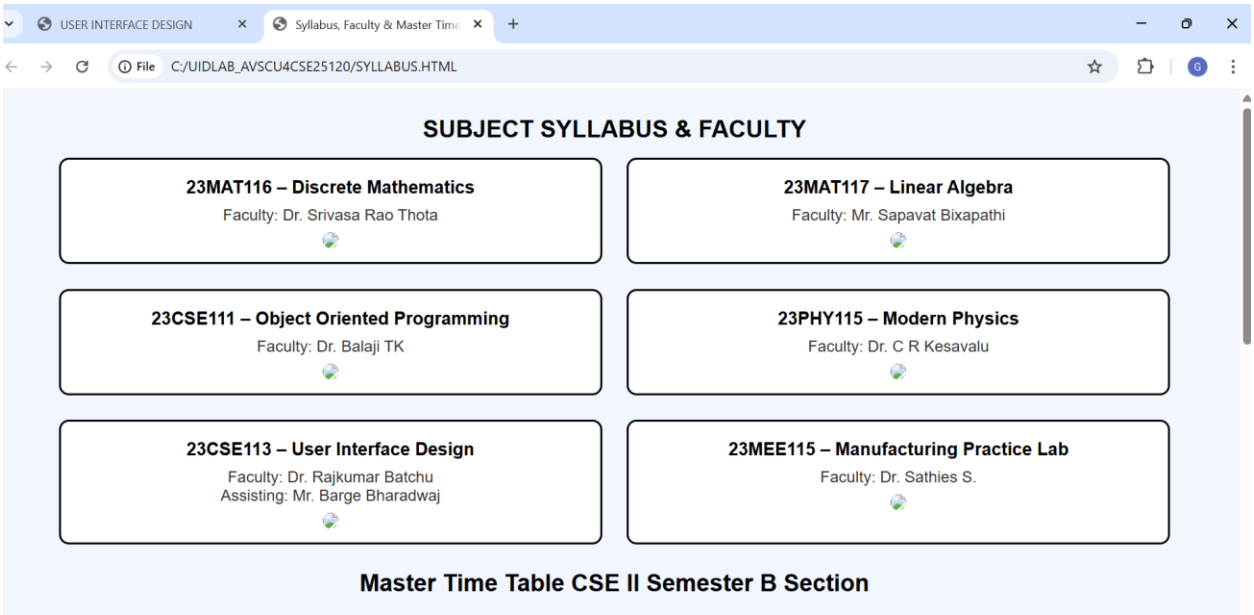
<td colspan="3"></td>

</tr>

<tr>
<td colspan="1">23CSE111</td>
<td colspan="3">Object Oriented Programming</td>
<td>3-0-2</td>
<td>4</td>
<td colspan="3">Dr. Balaji TK</td>
<td colspan="3" ></td>
</tr>
<tr>
<td colspan="1">23PHY115</td>
<td colspan="3">Modern Physics</td>
<td>2-1-0</td>
<td>3</td>
<td colspan="3">Dr. C R Kesavalu</td>
<td colspan="3"></td>
</tr>
<tr>
<td colspan="1">23CSE113</td>
<td colspan="3">User Interface Design</td>
<td>2-0-2</td>
<td>3</td>
<td colspan="3">Dr. Rajkumar Batchu</td>
<td colspan="3">Mr. Barge Bharadwaj</td>
</tr>
<tr>
<td colspan="1">23MEE115</td>
<td colspan="3">Manufacturing Practice</td>
<td>0-0-3</td>
<td>1</td>

```
<td colspan="3">Dr. Sathies S.</td>
<td colspan="3"></td>
</tr>
<tr>
<td colspan="1">22ADM111</td>
<td colspan="3">Glimpses of Glorious India</td>
<td>2-0-1</td>
<td>2</td>
<td colspan="3">Dr. Siva Panuganti</td>
<td colspan="3"></td>
</tr>
</table>
</body>
</html>
```

OUTPUT:



USER INTERFACE DESIGN | Syllabus, Faculty & Master Time

File C:/UIDLAB_AVSCU4CSE25120/SYLLABUS.HTML

Master Time Table CSE II Semester B Section

Time / Day	Slot 1 08:55–09:45	Slot 2 09:45–10:35	10:35–10:45	Slot 3 10:45–11:35	Slot 4 11:35–12:25	Slot 5 12:25–01:15	01:15–02:05	Slot 6 02:10–03:00	03:00–03:10	Slot 7 03:10–04:00	Slot 8 04:00–04:50
Monday	23MAT117 Linear Algebra LAB (BYOD)		SHORT BREAK	LIBRARY	23PHY115 Modern Physics	LIBRARY	LUNCH BREAK	23MEE115 Manufacturing Practice LAB	SHORT BREAK	23MEE115 Manufacturing Practice LAB	
Tuesday	23MAT116 Discrete Mathematics	23MAT117 Linear Algebra		23PHY115 Modern Physics	23CSE111 Object Oriented Programming	23CSE113 User Interface Design		Library/Sports		22ADM111 Glimpses of Glorious India	
Wednesday	23CSE111 OOPS Lab			23MAT116 Discrete Mathematics	23CSE113 User Interface Design	22ADM111 Glimpses of Glorious India		COUNSELLING		Library/Sports	
Thursday	23MAT117 Linear Algebra	23CSE111 Object Oriented Programming		23MAT116 Discrete Mathematics	COUNSELLING	LIBRARY		23PHY115 Modern Physics (T)		Library/Sports	
Friday	23CSE113 User Interface Design Lab BYOD			23MAT117 Linear Algebra	23CSE111 Object Oriented Programming	Library/Sports		22ADM111 Glimpses of Glorious India (P)		23MAT116 Discrete Mathematics Lab	

Thursday	23MAT117 Linear Algebra	23CSE111 Object Oriented Programming	SHORT	23MAT116 Discrete Mathematics	COUNSELLING	LIBRARY	LUNCH	23PHY115 Modern Physics (T)	SHORT	Library/Sports	
Friday	23CSE113 User Interface Design Lab BYOD			23MAT117 Linear Algebra	23CSE111 Object Oriented Programming	Library/Sports		22ADM111 Glimpses of Glorious India (P)		23MAT116 Discrete Mathematics Lab	

Course Code	Course Name	L-T-P	Credits	Faculty Name	Assisting Faculty
23MAT116	Discrete Mathematics	3-0-2	4	Dr. Srivasa Rao Thota	
23MAT117	Linear Algebra	3-0-2	4	Mr. Sapavat Bixapathi	
23CSE111	Object Oriented Programming	3-0-2	4	Dr. Balaji TK	
23PHY115	Modern Physics	2-1-0	3	Dr. C R Kesavalu	
23CSE113	User Interface Design	2-0-2	3	Dr. Rajkumar Batchu	Mr. Barge Bharadwaj
23MEE115	Manufacturing Practice	0-0-3	1	Dr. Sathies S.	
22ADM111	Glimpses of Glorious India	2-0-1	2	Dr. Siva Panuganti	

Explanation of the tags:

: is used as a container to group content like gallery and cards.

<img>: tag is used to display syllabus images using the src attribute.

CSS classes like .gallery, .card, .title, .faculty, and .break are introduced for styling.

display : grid is used to create a two-column gallery layout.

margin : auto centers the content on the page. border-radius is used to give rounded corners to cards and images. border-collapse : collapse makes the table borders neat.

font-family changes the text style of the whole page.

Combined selector td, th applies common styles. HTML comments <!-- -->are used to organize the code into sections.

Week-4

1 . Aim : A college wants to collect student details through an online admission form design a registration form using only html tags(no css) with propern labels table alignment,background color and borders Procedure :

```
<!DOCTYPE html>
<html>
<head>
    <title>College Online Admission Form</title>
    <style>
        /* Styles for the pop-up (Modal) */
        #successModal {
            display: none; /* Hidden by default */
            position: fixed;
            z-index: 1;
            left: 0;
            top: 0;
            width: 100%;
            height: 100%;
            background-color: rgba(0,0,0,0.5); /* Black background with opacity */
        }

        .modal-content {
            background-color: #ffffff;
            margin: 15% auto;
            padding: 20px;
```

```
        border: 1px solid #888;
        width: 30%;
        text-align: center;
        border-radius: 10px;
        box-shadow: 0 4px 8px rgba(0,0,0,0.2);
    }

    .close-btn {
        background-color: #4CAF50;
        color: white;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        margin-top: 15px;
    }
</style>

<script>
    function showPopup(event) {
        // Stop the page from refreshing
        event.preventDefault();

        // Show the hidden modal div
        document.getElementById("successModal").style.display = "block";
        return false;
    }

    function closePopup() {
```

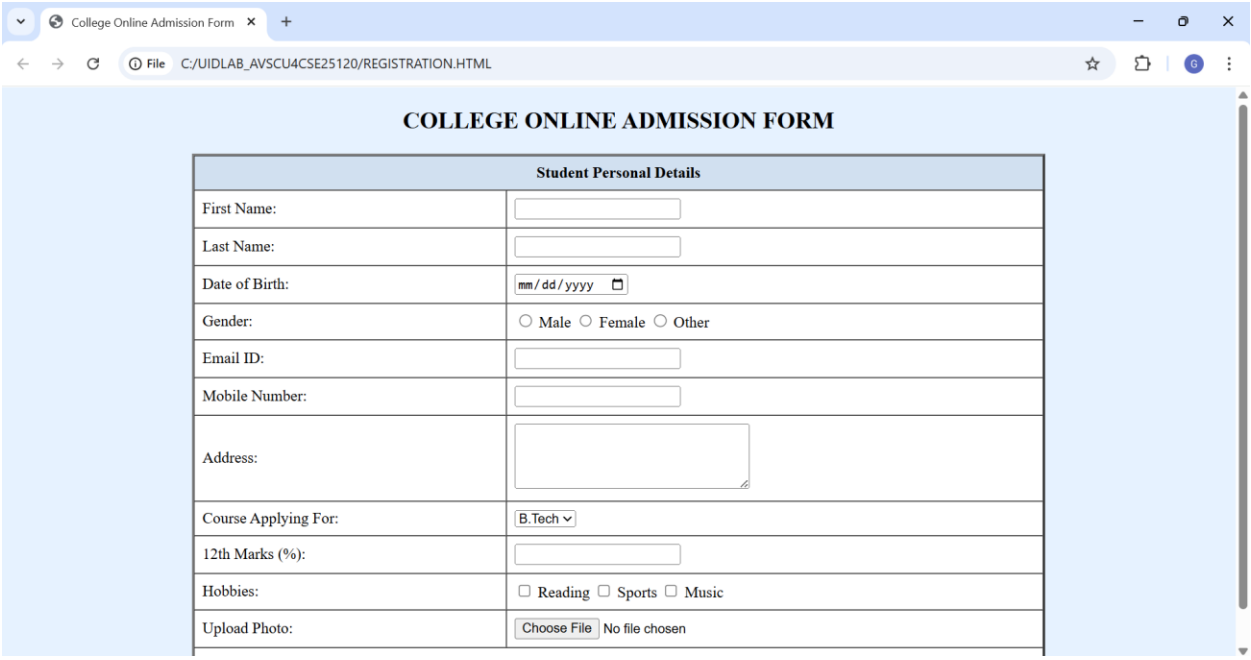
```
            // Hide the modal and reset the form
            document.getElementById("successModal").style.display = "none";
            document.getElementById("admissionForm").reset();
        }
    </script>
</head>

<body bgcolor="#e6f2ff">

    <h2 align="center">COLLEGE ONLINE ADMISSION FORM</h2>

    <form id="admissionForm" onsubmit="return showPopup(event)">
        <table border="2" align="center" cellpadding="8" cellspacing="0" width="70%" bgcolor="#ffffff">

            <tr>
                <td colspan="2" align="center" bgcolor="#d1e0f0"><b>Student Personal Details</b></td>
            </tr>

            <tr>
                <td><label for="fname">First Name:</label></td>
                <td><input type="text" id="fname" name="fname" required></td>
            </tr>

            <tr>
                <td><label for="lname">Last Name:</label></td>
                <td><input type="text" id="lname" name="lname" required></td>
            </tr>

            <tr>
```

```
    <td><label for="dob">Date of Birth:</label></td>
    <td><input type="date" id="dob" name="dob" required></td>
</tr>

<tr>
    <td><label>Gender:</label></td>
    <td>
        <input type="radio" name="gender" value="male"> Male
        <input type="radio" name="gender" value="female"> Female
        <input type="radio" name="gender" value="other"> Other
    </td>
</tr>

<tr>
    <td><label for="email">Email ID:</label></td>
    <td><input type="email" id="email" name="email" required></td>
</tr>

<tr>
    <td><label for="phone">Mobile Number:</label></td>
    <td><input type="tel" id="phone" name="phone" required></td>
</tr>

<tr>
    <td><label for="address">Address:</label></td>
    <td><textarea id="address" name="address" rows="4" cols="30"></textarea></td>
</tr>

<tr>
```

```
    <td><label for="course">Course Applying For:</label></td>
    <td>
        <select id="course" name="course">
            <option>B.Tech</option>
            <option>B.Sc</option>
            <option>B.Com</option>
            <option>BCA</option>
            <option>MCA</option>
        </select>
    </td>
</tr>

<tr>
    <td><label for="marks">12th Marks (%):</label></td>
    <td><input type="number" id="marks" name="marks"></td>
</tr>

<tr>
    <td><label>Hobbies:</label></td>
    <td>
        <input type="checkbox" name="hobby"> Reading
        <input type="checkbox" name="hobby"> Sports
        <input type="checkbox" name="hobby"> Music
    </td>
</tr>

<tr>
    <td><label for="photo">Upload Photo:</label></td>
    <td><input type="file" id="photo" name="photo"></td>
```

```
            </tr>

            <tr>
                <td colspan="2" align="center">
                    <input type="submit" value="Submit" style="cursor:pointer">
                    <input type="reset" value="Reset" style="cursor:pointer">
                </td>
            </tr>

        </table>
    </form>

    <div id="successModal">
        <div class="modal-content">
            <h2 style="color: #4CAF50;">Success!</h2>
            <p>Your admission form has been submitted successfully.</p>
            <button class="close-btn" onclick="closePopup()">OK</button>
        </div>
    </div>

</body>
</html>
```

Output:



Explanation of the tags:

<form>– Collects user input

colspan – Merges two columns into one

<label for>. – Labels input fields. – Takes user input (text, date, radio, email, tel, number, file, reset).

<textarea>– Multi-line text input. & –

<select>&<option> Dropdown list. checkbox – Multiple selections. – Shows alert message. Attributes: id, name, align, bgcolor, rows, cols, border, width – control layout and identification.

2 . AIM: A Company wants to design a webpage that display two different forms side by side using iframes in which one should display a login form and other should display register form

Program :

```
<!DOCTYPE html>
<html>
<head>
<title>Login Form</title>
</head>
<body bgcolor="#e6f2ff">
<h2 align="center">Login Form</h2>
<form align="center">
<table border="1" cellpadding="8" align="center">
<tr>
<td>Username:</td>
<td><input type="text" name="uname"></td>
</tr>
<tr>
<td>Password:</td>
<td><input type="password" name="pass"></td>
</tr>
```

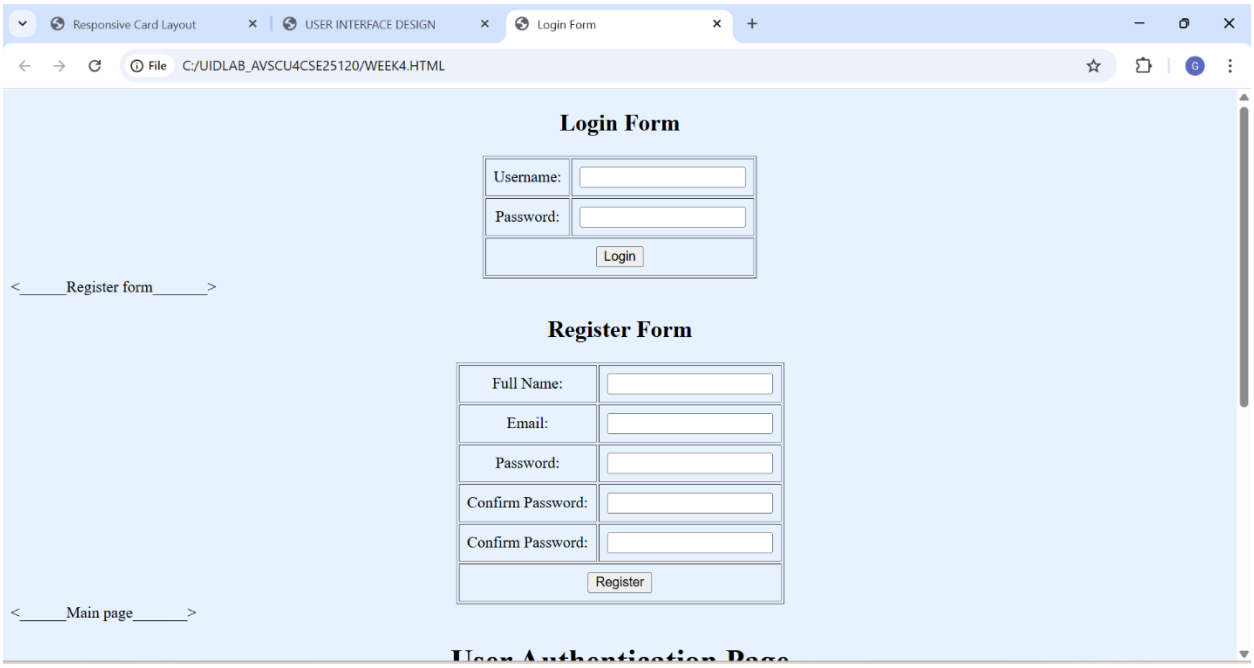
```
<tr>
    <td colspan="2" align="center">
<input type="submit" value="Login">
</td>
</tr>
</table>
</form>
</body>
</html>
<_______Register form_________>
<!DOCTYPE html>
<html>
<head>
<title>Register Form</title>
</head>
<body bgcolor="#fff0e6">
<h2 align="center">Register Form</h2>
<form align="center">
<table border="1" cellpadding="8" align="center">
<tr>
<td>Full Name:</td>
<td><input type="text" name="fname"></td>
</tr>
<tr>
<td>Email:</td>
</head>
<body>
<td><input type="email" name="email"></td>
</tr>
```

```
<tr>
<td>Password:</td>
<td><input type="password" name="pass"></td>
</tr>
<tr>
<td>Confirm Password:</td>
<td><input type="password" name="cpass"></td>
</tr>
<tr>
<td>Confirm Password:</td>
<td><input type="password" name="cpass"></td>
</tr>
<tr>
<td colspan="2" align="center">
<input type="submit" value="Register">
</td>
</tr>
</table>
</form>
</body>
</html>
<_______Main page_________>
<!DOCTYPE html>
<html>
 <head>
 <title>Login and Register</title>
<h1 align="center">User Authentication Page</h1>
 <table width="100%">
 <tr>
```

```
<td width="50%" align="center">
<iframe src="login.html" width="90%" height="400"></iframe>
</td>
<td width="50%" align="center">
<iframe src="register.html" width="90%" height="400"></iframe>
</td>
</tr>
</table>
</body>
</html>
```

Top of Form

OUTPUT:



Explanation of the tags: (Inline Frame): Displays another HTML page inside the current page. Two separate pages are created: Login Form and Register Form. A main page uses two iframes to show both forms side by side. src attribute: Specifies which page to load inside the iframe. width & height: Set the iframe size. A table with two columns is used to align the iframes in one row. Each iframe loads a different form page (login / register).

Week-5

1 . Aim : To create a responsive card layout using HTML and CSS with three cards, each containing an image, title, and button.

Procedure:

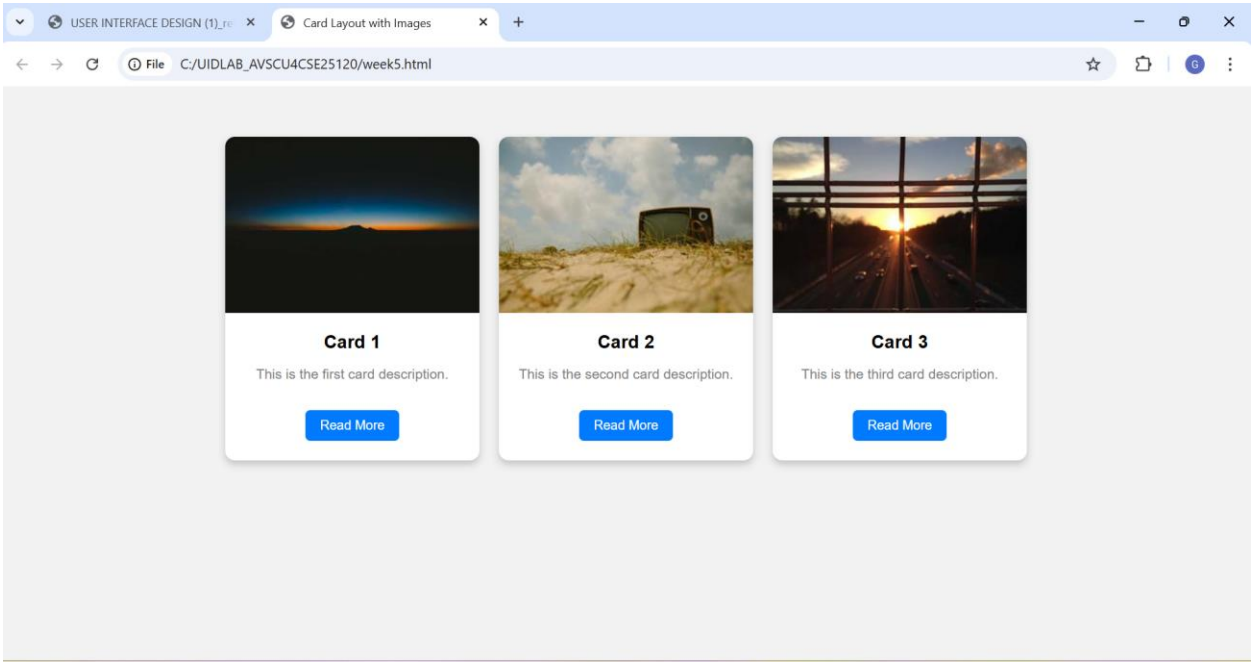
```
<!DOCTYPE html>
<html>
<head>
  <title>Card Layout with Images</title>

  <style>
    body{
      font-family: Arial, sans-serif;
      background-color: #f2f2f2;
    }

    .container{
      display: flex;
      justify-content: center;
      gap: 20px;
      margin-top: 50px;
    }

    .card{
      background-color: white;
      width: 260px;
      border-radius: 10px;
      box-shadow: 0 4px 8px rgba(0,0,0,0.2);
```

```
    overflow: hidden;
    text-align: center;
}

.card img{
    width: 100%;
    height: 180px;
    object-fit: cover;
}

.card h3{
    margin: 15px 0 10px 0;
}

.card p{
    font-size: 14px;
    padding: 0 15px;
    color: gray;
}

.card button{
    margin: 15px 0 20px 0;
    padding: 8px 15px;
    border: none;
    background-color: #007bff;
    color: white;
    border-radius: 5px;
    cursor: pointer;
}
```

```
        .card button:hover{
            background-color: #0056b3;
        }
    </style>
</head>

<body>

    <div class="container">

        <div class="card">
            <img src="https://picsum.photos/300/200?1" alt="Image 1">
            <h3>Card 1</h3>
            <p>This is the first card description.</p>
            <button>Read More</button>
        </div>

        <div class="card">
            <img src="https://picsum.photos/300/200?2" alt="Image 2">
            <h3>Card 2</h3>
            <p>This is the second card description.</p>
            <button>Read More</button>
        </div>

        <div class="card">
            <img src="https://picsum.photos/300/200?3" alt="Image 3">
            <h3>Card 3</h3>
            <p>This is the third card description.</p>
```

```
            <button>Read More</button>
        </div>

    </div>

</body>
</html>
```

OUTPUT:



Explanation of the tags:

- flex → Align items in row
- box-shadow → Adds shadow
- border-radius → Rounded corners
- object-fit: cover → Adjust image without distortion
- :hover → Changes style when mouse is over element
- overflow: hidden → Hides extra content outside border

2.Aim: To design a mini website using iframe navigation links (Home, About, Contact), where clicking on each link displays the respective content within the same page using internal or external CSS.

Procedure:

```
<!DOCTYPE html>
<html>
<body>
   <h2>This page contains information about the page.</h2>
</body>
</html>
```

about.html

```
<!DOCTYPE html>
<html>
<body>
   <h2>if having any issues regarding this</h2>
   <p>gayathri@2008gmail.com</p>
   <p>phone:1234567890</p>
</body>
</html>
```

contact.html

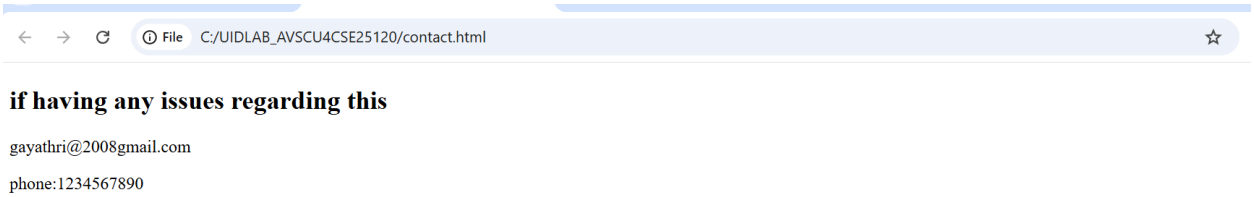
```
<!DOCTYPE html>
<html>
<body>
   <h2>This is my Website.Here is the content of this page.</h2>
</body>
</html>
```

home.html

```
<!DOCTYPE html>
<html>
```

```html
<head>
    <title> Website with iFrame</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

    <header>
        <h1>My Mini Website</h1>
    </header>

    <nav>
        <a href="home.html" target="contentFrame">Home</a>
        <a href="about.html" target="contentFrame">About</a>
        <a href="contact.html" target="contentFrame">Contact</a>
    </nav>

    <section>
        <iframe name="contentFrame" src="home.html"></iframe>
    </section>

</body>
</html>
```

Output:



Explanation of tags :

<header>

Used for top section of webpage.

<nav>

Used for navigation links.

<section>

Used to divide content into sections.

<a>

Anchor tag.

Used to create hyperlinks.

Important attributes:

href → Link address

target → Where to open the link

<iframe>

Used to display another webpage inside current webpage.

Important attributes:

src → Page to display

name → Used with targe

EXPLANATION OF THE TAGS :

<header>

- Used for top section of webpage.
  <nav>
- Used for navigation links.
  <section>
- Used to divide content into sections.
  <a>
- Anchor tag.
- Used to create hyperlinks.
- Important attributes: href → Link address target → Where to open the link
  <iframe>
- Used to display another webpage inside current webpage.
- Important attributes: src → Page to display name → Used with targe

3.Aim: To design an Amrita login page using HTML and CSS that displays different campuses, where clicking each campus shows its details on the same page

Procedure:

```
<!DOCTYPE html>

<html>

<head>

<title>Amrita Login Page</title>

<style>

body {

margin: 0;

font-family: Arial, sans-serif;

background: linear-gradient(to right,light orange, pale pink);
```

```
background: url(https://wallpapers.com/images/hd/cool-light-blue-l6csxyf32ij7t1or.jpg) no-repeat center center/cover
 }
/* Header */
.header {
background-color:lightcoral;
color: white;
text-align: center;
padding: 15px;
font-size: 28px;
font-weight: bold; }
/* Navigation */
.nav {
background-color:darkcyan;
text-align: center;
padding: 10px; }
.nav button {
background: transparent;
border: none;
color:lightgoldenrodyellow;
font-size: 16px;
margin: 0 15px;
cursor: pointer; }
.nav button:hover {
  text-decoration: underline; }
/* Main Layout */
.container {
display: flex;
justify-content: center;
```

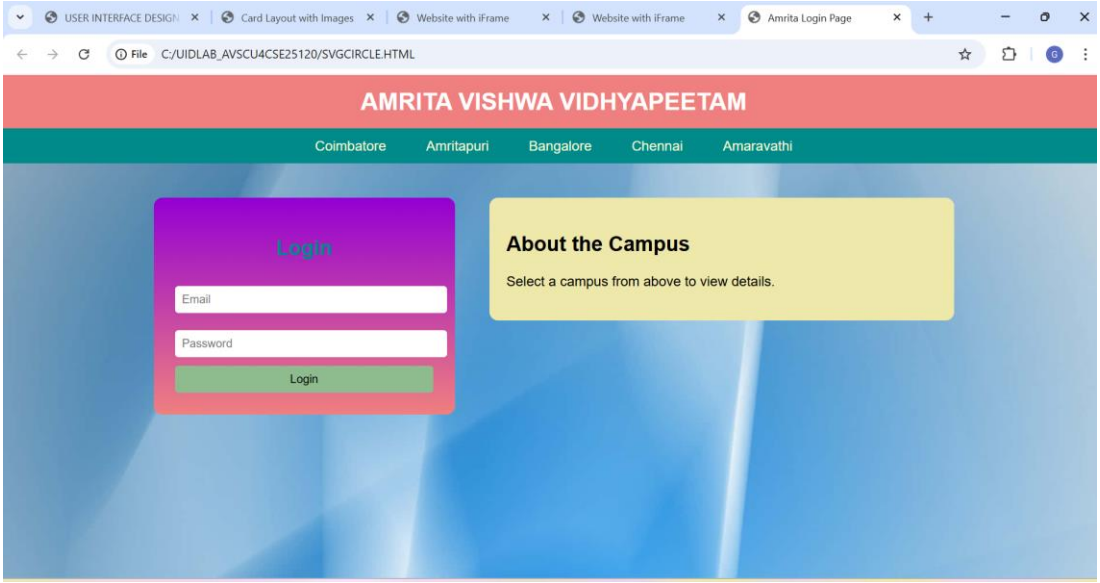
```
align-items: flex-start;
margin: 40px;
gap: 40px; }
/* Login Box */
.login-box {
background: linear-gradient(to bottom,darkviolet,lightcoral);
padding: 25px;
 width: 300px;
border-radius: 10px;
color:darkcyan; }
.login-box h2 {
text-align: center; }
.login-box input {
width: 100%;
padding: 8px;
margin: 10px 0;
border: none;
border-radius: 4px;}
.login-box button {
width: 100%;
padding: 8px;
background-color:darkseagreen;
color:light turquoise;
border: none;
border-radius: 4px;
cursor: pointer;}
/* Campus Details */
.campus-details {
background:palegoldenrod;
```

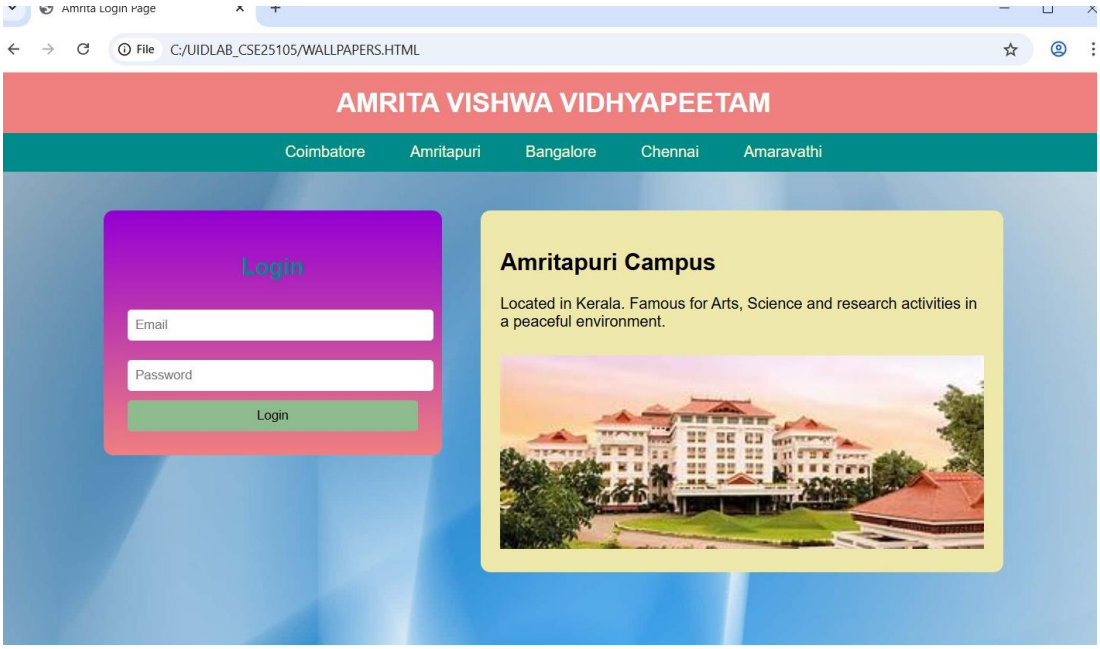
```
width: 500px;
padding: 20px;
border-radius: 10px; }
.campus-details img {
width: 100%;
height: 200px;
object-fit: cover;
margin-top: 10px; }
</style>
</head>
<body>
<div class="header">
AMRITA VISHWA VIDHYAPEETAM
</div>
<div class="nav">
<button onclick="showCampus('coimbatore')">Coimbatore</button>
<button onclick="showCampus('amritapuri')">Amritapuri</button>
<button onclick="showCampus('bangalore')">Bangalore</button>
<button onclick="showCampus('chennai')">Chennai</button>
<button onclick="showCampus('Amaravathi')">Amaravathi</button>
</div>
<div class="container">
<!-- Login Section -->
<div class="login-box">
<h2>Login</h2>
<input type="text" placeholder="Email">
<input type="password" placeholder="Password">
<button>Login</button>
</div>
```

```
<!-- Campus Info Section -->

<div class="campus-details" id="campusInfo">

<h2>About the Campus</h2>

<p>Select a campus from above to view details.</p>

</div>

<script>

function showCampus(campus) {

let info = document.getElementById("campusInfo");

if (campus === "coimbatore") {

info.innerHTML = `

 <h2>Coimbatore Campus</h2>

 <p>Located in Tamil Nadu. Known for Engineering and Technology programs with modern
infrastructure.</p>

 <img
src="https://tse3.mm.bing.net/th/id/OIP.elkN6U_aVSlLuBTcPX2q_QHaEK?pid=Api&P=0&h=180"

alt="Coimbatore Campus"> `; }

else if (campus === "amritapuri") {

info.innerHTML = `

 <h2>Amritapuri Campus</h2>

 <p>Located in Kerala. Famous for Arts, Science and research activities in a peaceful environment.</p>

 <img src="https://tse4.mm.bing.net/th/id/OIP.jPuLxk4ALi6yUzvKevF7fgHaEM?pid=Api&P=0&h=180"
alt="Amritapuri

Campus"> `;}

else if (campus === "bangalore") {

info.innerHTML = `

 <h2>Bangalore Campus</h2>

 <p>Located in Karnataka. Offers Engineering and Management programs with industry exposure.</p>

 <img
src="https://tse4.mm.bing.net/th/id/OIP.AxDXEuEdONmn1Poym0qaiQHaDt?pid=Api&P=0&h=180"

alt="Bangalore Campus">`; }
```

```
else if (campus === "chennai") {
info.innerHTML = `
 <h2>Chennai Campus</h2>
 <p>Located in Tamil Nadu. Special focus on engineering disciplines and innovation.</p>
 <img
src="https://tse2.mm.bing.net/th/id/OIP.5Cd4ekgT1P_EX7zhzH_D1AHaDp?pid=Api&P=0&h=180"
alt="Chennai Campus">
 `;
 }
else if (campus === "Amaravathi") {
info.innerHTML = `
 <h2>Amaravathi Campus</h2>
 <p>Located in Mangalagiri. Famous for Arts, Science and research activities in a peaceful
environment.</p>
 <img src="https://tse4.mm.bing.net/th/id/OIP.WIKj0_HGLKy7-
vepQuwuLwHaDK?pid=Api&P=0&h=180"
alt="Amaravathi Campus">;}}
</script>
</body>
</html>
```

Output:


USER INTERFACE DESIGN
Card Layout with Images
Website with iFrame
Website with iFrame
Amrita Login Page
File
C:/UIDLAB_AVSCU4CSE25120/SVGCIRCLE.HTML
AMRITA VISHWA VIDHYAPEETAM
Coimbatore
Amritapuri
Bangalore
Chennai
Amaravathi
Login
Email
Password
Login
About the Campus
Select a campus from above to view details.


Amrita Login Page
File
C:/UIDLAB_CSE25105/WALLPAPERS.HTML
AMRITA VISHWA VIDHYAPEETAM
Coimbatore
Amritapuri
Bangalore
Chennai
Amaravathi
Login
Email
Password
Login
Amritapuri Campus
Located in Kerala. Famous for Arts, Science and research activities in a peaceful environment.

Explanation of the tags:

CSS Styling

◈ body Sets background image.

Removes margin.

Applies font style.

◈ .header

Top banner.

Background color: lightcoral.

Center aligned white text.

◈ .nav

Navigation bar.

Contains buttons for campuses.

◈ .container

Uses display: flex;

Aligns login box and campus details side by side.

◈ .login-box

Styled login form.

Gradient background.

Rounded corners.

◈ .campus-details

Displays campus information.

Contains heading, paragraph and image.

Navigation Buttons

Coimbatore

onclick calls JavaScript function.

Sends campus name as parameter.

Week 6

1. <!DOCTYPE html>

```
<html>
<head>
<title>gayathri Shopping</title>

<style>
body{
margin:0;
font-family:Arial, Helvetica, sans-serif;
background:lightyellow;
}

.header{
background:lightcoral;
color:white;
text-align:center;
padding:15px;
font-size:22px;
}

.sale{
background:lemonchiffon;
text-align:center;
padding:10px;
font-weight:bold;
```

```
}

.container{
display:flex;
padding:8px;
}

.sidebar{
width:200px;
background:mistyrose;
padding:10px;
border-radius:8px;
}

.sidebar button{
width:100%;
padding:8px;
margin:4px 0;
border:none;
background:lightpink;
cursor:pointer;
}

.products{
flex:1;
display:grid;
grid-template-columns:repeat(3,1fr); /* 3 items per row */
```

```
gap:10px; /* reduced gap */
padding:5px;
}

.card{
background:lightgoldenrodyellow;
padding:10px;
text-align:center;
border-radius:6px;
}

.card img{
width:100%;
height:120px; /* smaller height */
object-fit:cover;
}

.price{
color:indianred;
font-weight:bold;
}

.card button{
background:salmon;
color:white;
border:none;
padding:6px 12px;
```

```
margin-top:6px;
cursor:pointer;
}

.footer{
background:salmon;
color:white;
text-align:center;
padding:10px;
margin-top:8px;
}
</style>

<script>
function showCategory(category){
let products=document.querySelectorAll(".card");
products.forEach(function(product){
if(category=="all"){
product.style.display="block";
}
else if(product.classList.contains(category)){
product.style.display="block";
}
else{
product.style.display="none";
}
});
```

```
}
</script>
</head>

<body>

<div class="header">
Hasinishekhar SPA Shopping
</div>

<div class="sale">
  Ugadi Special Sale – Up to 70% Off
</div>

<div class="container">

<div class="sidebar">
<h3>Categories</h3>
<button onclick="showCategory('viewitems')">View Items</button>
<button onclick="showCategory('furniture')">Furniture</button>
<button onclick="showCategory('clothing')">Clothing</button>
<button onclick="showCategory('appliances')">Home Appliances</button>
<button onclick="showCategory('stationary')">Stationary</button>
<button onclick="showCategory('groceries')">Groceries</button>
<button onclick="showCategory('beauty')">Beauty Products</button>
<button onclick="showCategory('all')">Show All</button>
</div>
```

```
<div class="products">

<!-- View Items (first category, highlights) -->
<div class="card viewitems">
<img src="sofa2.html">
<h3>Furniture</h3>
<p class="price">55000/-</p>
<button>Add to Cart</button>
</div>

<div class="card viewitems">
<img src="t shirt .html">
<h3>Clothing</h3>
<p class="price">700/-</p>
<button>Add to Cart</button>
</div>

<div class="card viewitems">
<img src="washing machine.html">
<h3>Appliances</h3>
<p class="price">12000/-</p>
<button>Add to Cart</button>
</div>

<div class="card viewitems">
<img src="stationary.html">
```

```
<h3>Stationary</h3>
<p class="price">120/-</p>
<button>Add to Cart</button>
</div>

<div class="card viewitems">
<img src="vegitables.html">
<h3>Groceries</h3>
<p class="price">180/-</p>
<button>Add to Cart</button>
</div>

<div class="card viewitems">
<img src="https://images.unsplash.com/photo-1522335789203-aabd1fc54bc9">
<h3>Beauty</h3>
<p class="price">800/-</p>
<button>Add to Cart</button>
</div>

<!-- Furniture -->
<div class="card furniture">
<img src="sofa2.html">
<h3>Sofa Set</h3>
<p class="price">55000/-</p>
<button>Add to Cart</button>
</div>
```

```
<div class="card furniture">
<img src="bed.html">
<h3>Wooden Bed</h3>
<p class="price">30000/-</p>
<button>Add to Cart</button>
</div>

<div class="card furniture">
<img src="table.html">
<h3>Dining Table</h3>
<p class="price">15000/-</p>
<button>Add to Cart</button>
</div>

<div class="card furniture">
<img src="chair.html">
<h3>Wooden Chair</h3>
<p class="price">5000/-</p>
<button>Add to Cart</button>
</div>

<!-- Clothing -->
<div class="card clothing">
<img src="t shirt .html">
<h3>T-Shirt</h3>
<p class="price">700/-</p>
<button>Add to Cart</button>
```

```
</div>

<div class="card clothing">
<img src="jackets2.html">
<h3>Jacket</h3>
<p class="price">1200/-</p>
<button>Add to Cart</button>
</div>

<div class="card clothing">
<img src="jeans.html">
<h3>Jeans</h3>
<p class="price">1500/-</p>
<button>Add to Cart</button>
</div>

<div class="card clothing">
<img src="dress.html">
<h3>Dress</h3>
<p class="price">2000/-</p>
<button>Add to Cart</button>
</div>

<!-- Appliances -->
<div class="card appliances">
<img src="washing machine.html">
<h3>Washing Machine</h3>
```

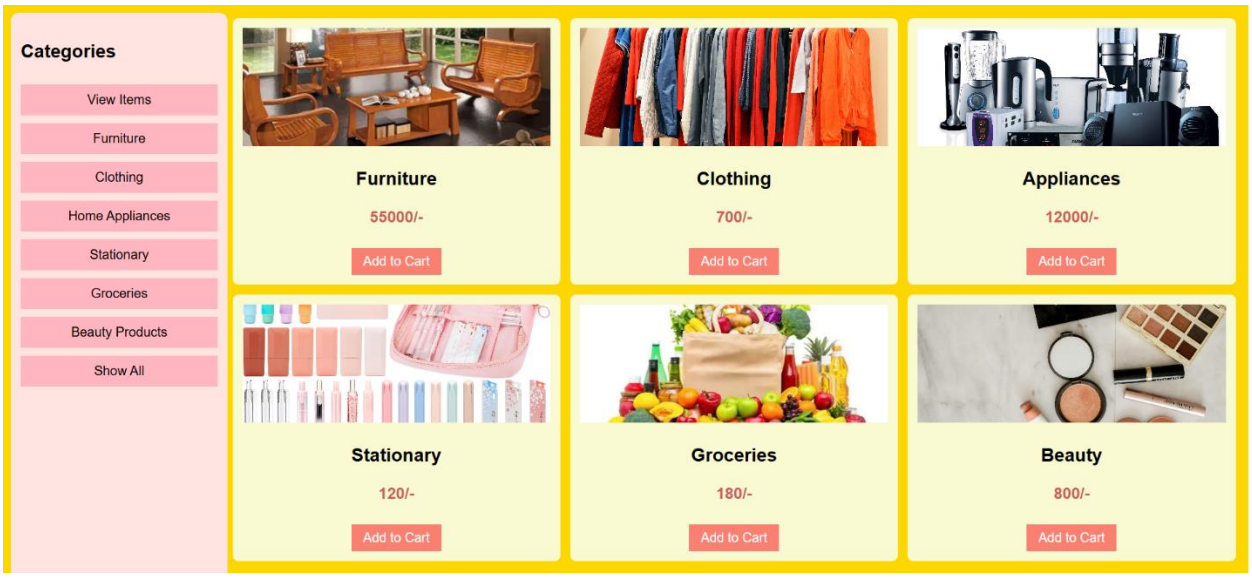
```
<p class="price">12000/-</p>
<button>Add to Cart</button>
</div>

<div class="card appliances">
<img src="refrigerator.html">
<h3>Refrigerator</h3>
<p class="price">15000/-</p>
<button>Add to Cart</button>
</div>

<div class="card appliances">
<img src="microwave2.html">
<h3>Microwave</h3>
<p class="price">8000/-</p>
<button>Add to Cart</button>
</div>

<div class="card appliances">
<img src="ac.html">
<h3>Air Conditioner</h3>
<p class="price">35000/-</p>
<button>Add to Cart</button>
</div>

<!-- Stationary -->
<div class="card stationary">
```

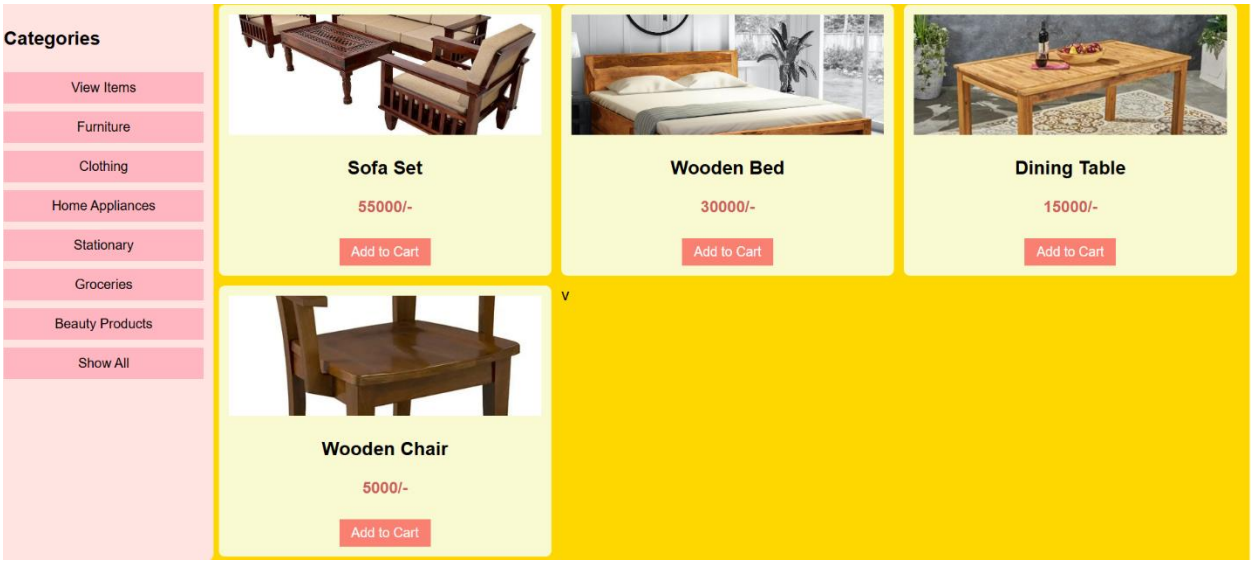
```
<img src="book.html">
<h3>Notebook</h3>
<p class="price">120/-</p>
<button>Add to Cart</button>
</div>

<div class="card stationary">
<img src="pens.html">
<h3>Pens</h3>
<p class="price">80/-</p>
<button>Add to Cart</button>
</div>

<div class="card stationary">
<img src="kit.html">
<h3>School Kit</h3>
<p class="price">250/-</p>
<button>Add to Cart</button>
</div>

<div class="card stationary">
<img src="files.html">
<h3>Office Supplies</h3>
<p class="price">300/-</p>
<button>Add to Cart</button>
</div>
```

```
<!-- Groceries -->
<div class="card groceries">
<img src="vegitables.html">
<h3>Vegetables</h3>
<p class="price">200/-</p>
<button>Add to Cart</button>
</div>

<div class="card groceries">
<img src="fruits.html">
<h3>Fruits</h3>
<p class="price">180/-</p>
<button>Add to Cart</button>
</div>

<div class="card groceries">
<img src="food.html">
<h3>Food Pack</h3>
<p class="price">350/-</p>
<button>Add to Cart</button>
</div>

<div class="card groceries">
<img src="organic.html">
<h3>Organic Groceries</h3>
<p class="price">400/-</p>
<button>Add to Cart</button>
```

```
</div>

<!-- Beauty -->
<div class="card beauty">
<img src="makeup.html">
<h3>Makeup Kit</h3>
<p class="price">1600/-</p>
<button>Add to Cart</button>
</div>


<div class="card beauty">
<img src="lipstick.html">
<h3>Lipsticks</h3>
<p class="price">800/-</p>
<button>Add to Cart</button>
</div>
```

Output :


Categories
View Items
Furniture
Clothing
Home Appliances
Stationary
Groceries
Beauty Products
Show All
Furniture
55000/-
Add to Cart
Clothing
700/-
Add to Cart
Appliances
12000/-
Add to Cart
Stationary
120/-
Add to Cart
Groceries
180/-
Add to Cart
Beauty
800/-
Add to Cart


Categories
View Items
Furniture
Clothing
Home Appliances
Stationary
Groceries
Beauty Products
Show All
Sofa Set
55000/-
Add to Cart
Wooden Bed
30000/-
Add to Cart
Dining Table
15000/-
Add to Cart
Wooden Chair
5000/-
Add to Cart

Explanation of the Tags:

- A division/container tag.
- Used to group elements together.
- Helps in layout design using CSS.

<ul>

- Stands for Unordered List.
- Used to create a bullet list.

<li>

- Stands for List Item.
- Used inside <ul> or <ol>.

<img>

- Used to display images on the webpage.

Attributes used:

- src → image source (URL)

<button>

- Creates a clickable button.