

# **LABCYCLE**

**Submitted By**

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**MCA S1**

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## LABCYCLE 1 QUESTION 1

### AIM :

Model a simple HTML file to demonstrate the use of different tags

### DESIGN :

**Step 1 :** Create html page containing basic tags

**Step 2 :** include style if needed

### PROGRAM CODE :

Program1CO1	<pre>&lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body&gt; &lt;header style="background-color: #37487a;color:white;"&gt; &lt;center&gt; &lt;div&gt; &lt;h1&gt;TKM College of Engineering&lt;/h1&gt; &lt;h2&gt;Department of MCA&lt;/h2&gt; &lt;h3&gt;2021-22 Batch&lt;/h3&gt; &lt;/div&gt; &lt;/center&gt; &lt;/header&gt;&lt;br&gt; &lt;div&gt; &lt;div style="border:1px solid black;width: 30%;height:320px;float: left;"&gt;&lt;/div&gt; &lt;div style="border:1px solid black;width: 60%;float: right;height:320px;"&gt; &lt;ul&gt; &lt;div style="background-color: rgb(89, 207, 89);width:70%;border-radius: 10px;;margin-bottom:20px"&gt;</pre>
-------------	---

```

<center>
<li><u>Advanced Software Engineering</u> [ <abbr
title="ASE">ASE</abbr> ]</li>
<p><i>Classes contains details about ASE</i></p>
</center>
</div>
<div style="background-color: rgb(218, 100,
100);width:70%;border-radius: 10px;margin-bottom:20px">
<center>
<li><u>Advanced Data Structures</u> [ <abbr>ADC</abbr>
]</li>
<p><i>Classes contains details about ADC</i></p>
</center>
</div>
<div style="background-color: rgb(61, 222,
228);width:70%;border-radius: 10px;margin-bottom:20px">
<center>
<li><u>Python</u> [ <abbr>Py</abbr> ]</li>
<p><i>Classes contains details about Python</i></p>
</center>
</div>
<div style="background-color: rgb(75, 105,
240);width:70%;border-radius: 10px;margin-bottom:20px">
<center>
<li><u>Mathematics</u> [ <abbr>Py</abbr> ]</li>
<p><i>Classes contains details about Mathematics</i></p>
</center>
</div>
</ul>
</div>
</div>
<div style="width: 100%;float: left;margin-top:20px">
<footer style="border:1px solid black;background-color:
black;color: white;height:100px;">
<center>
<p style="padding: 20px;">TKMCE, © 2020. All rights
reserved.</p>
</center>
</footer>
</div>
</body>
</html>

```

## RESULT :

File | C:/Users/kanna/Documents/Github/MCA/Web/Program1CD1.html

TKM College of Engineering

Department of MCA

2021-22 Batch

- [Advanced Software Engineering \[ ASE \]](#)  
*Classes contains details about ASE*
- [Advanced Data Structures \[ ADC \]](#)  
*Classes contains details about ADC*
- [Python \[ Py \]](#)  
*Classes contains details about Python*
- [Mathematics \[ Py \]](#)  
*Classes contains details about Mathematics*

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## LABCYCLE 1 QUESTION 2

### AIM :

Create a HTML file to link to different HTML page which contains images, tables, and also link within a page

### DESIGN :

**Step 1 :** Create main html page which shows general information

**Step 2 :** include links for contact details and Accademic details

**Step 3 :** Create pages for contact details and accademic details

### PROGRAM CODE :

Program2CO1.html	<pre>&lt;html&gt; &lt;style&gt; .col{ border: 1px solid rgb(142, 174, 235); background-color: rgb(142, 174, 235); border-right: 1px solid darkgreen;} .inner{ text-align: center;} .col3{ background-color: rgb(172, 161, 99);} .col4{ background-color: rgb(224, 211, 135);} &lt;/style&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body&gt; &lt;table width="70%" align="center" style="background-color: rgb(142, 174, 235)"&gt; &lt;tr&gt; &lt;td class="col"&gt;&lt;a href="Program2CO1.html"&gt;General Information&lt;/a&gt;&lt;/td&gt; &lt;td class="col"&gt;&lt;a href="AccDetails.html"&gt;Accademic Information&lt;/a&gt;&lt;/td&gt; &lt;td class="col"&gt;&lt;a href="Contact.html"&gt;Contact</pre>
------------------	--

	Details</a></td> </tr> </table> <table width="70%" align="center" cellpadding="10px"> <tr> <td class="col3"><b>Picture : </b></td> <td colspan="2" class="col4"><center></center></td> </tr> <tr> <td class="col3"><b>Graduation : </b></td> <td colspan="2" class="col4"> Bsc Computer Science</td> </tr> <tr> <td class="col3"><b>Post Graduation : </b></td> <td colspan="2" class="col4">MCA</td> </tr> <tr> <td class="col3"><b>Hobbies : </b></td> <td colspan="2" class="col4">Animie</td> </tr> <tr> <td class="col3"><b>Aspiration : </b></td> <td colspan="2" class="col4">Peace</td> </tr> </table> </body> </html>
--	--

Contact.html	<html> <style> .col{ border: 1px solid rgb(142, 174, 235); background-color: rgb(142, 174, 235); border-right: 1px solid darkgreen;} .col2{ border: 1px solid rgb(142, 174, 235);} </style> <head> <title>My college</title> <meta name="viewport" content="width=device-width,initial-scale=1.0"> <tr>
--------------	---

	<pre> &lt;/head&gt; &lt;body&gt; &lt;table width="70%" align="center" style="border: 1px solid black;"&gt; &lt;td class="col"&gt;&lt;a href="Program2CO1.html"&gt;General Information&lt;/a&gt;&lt;/td&gt; &lt;td class="col"&gt;&lt;a href="AccDetails.html"&gt;Accademic Information&lt;/a&gt;&lt;/td&gt; &lt;td class="col"&gt;&lt;a href="Contact.html"&gt;Contact Details&lt;/a&gt;&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;center&gt; &lt;div style="width:70%;"&gt; &lt;h2 style="float:left;"&gt;Contact details&lt;/h2&gt; &lt;/div&gt; &lt;/center&gt; &lt;br&gt;&lt;br&gt;&lt;br&gt;&lt;br&gt; &lt;hr&gt; &lt;table width="70%" align="center" cellpadding="10px"&gt; &lt;tr&gt; &lt;td class="col2"&gt;Mobile No :&lt;/td&gt; &lt;td class="col2" colspan="2"&gt;9495758577&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td class="col2"&gt;Address :&lt;/td&gt; &lt;td class="col2" colspan="2"&gt;Chirayinkeezhu ,Trivandrum&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/body&gt; &lt;/html&gt; </pre>
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AccDetails.html	<pre> &lt;html&gt; &lt;style&gt; .col{ border: 1px solid rgb(142, 174, 235); background-color: rgb(142, 174, 235); border-right: 1px solid darkgreen;} .col1{ background-color: rgb(61, 126, 72);} .col2{ border: 1px solid rgb(142, 174, 235);} </pre>
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```

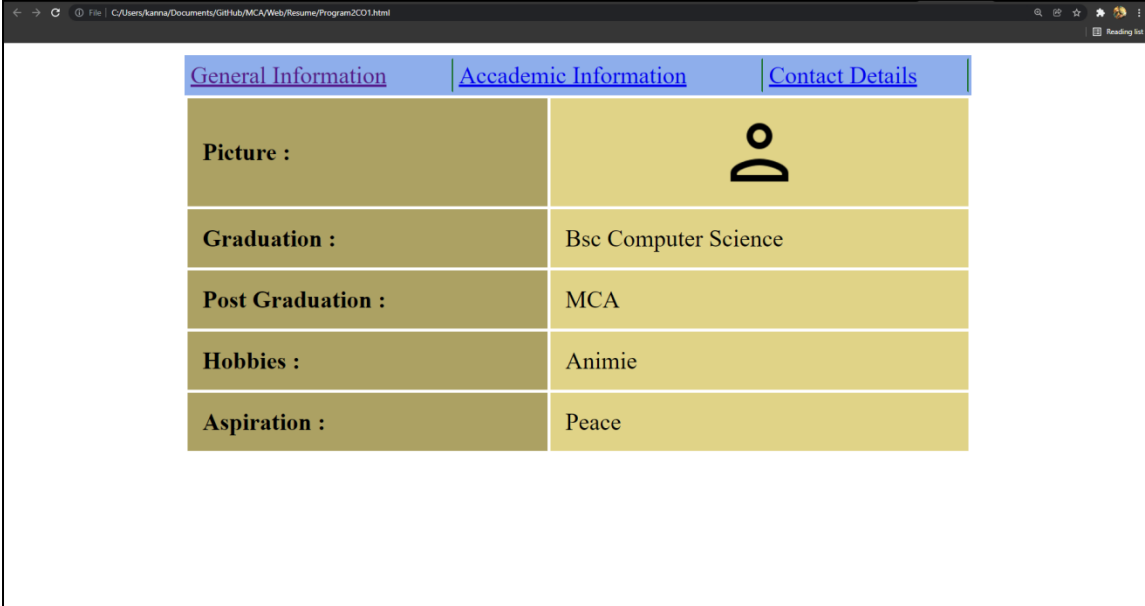
</style>
<head>
<title>My college</title>
<meta name="viewport" content="width=device-width,initial-
scale=1.0">
</head>
<body>
<table width="70%" align="center" style="border: 1px solid black;">
<tr>
<td class="col"><a href="Program2CO1.html">General
Information</a></td>
<td class="col"><a href="AccDetails.html">Accademic
Information</a></td>
<td class="col"><a href="Contact.html">Contact Details</a></td>
</tr>
</table>
<center>
<div style="width:70%;">
<h2 style="float:left;">Accademic details</h2>
</div>
</center>
<br><br><br><br>
<hr>
<table width="70%" align="center" cellpadding="10px">
<tr>
<td class="col1">Stream</td>
<td class="col1" colspan="2">College</td>
</tr>
<tr>
<td class="col2">MCA</td>
<td class="col2" colspan="2">TKM College Of Engineering</td>
</tr>
</table>
</body>
</html>

```




## RESULTS :

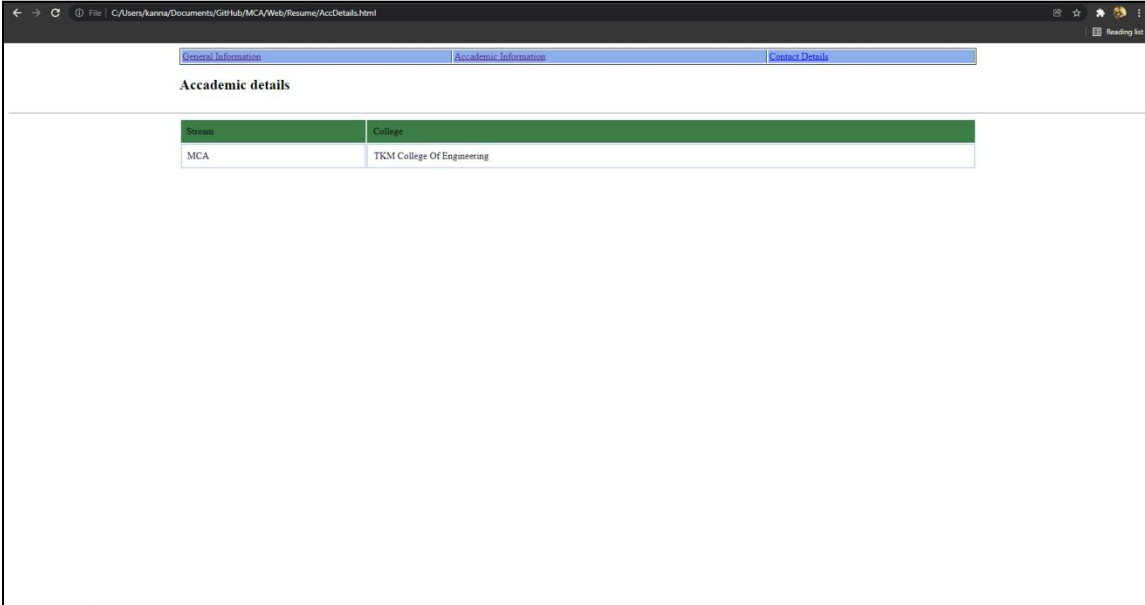
### Program2CO1.html



The screenshot shows a web browser displaying a resume page titled 'Program2CO1.html'. The page has a dark header bar with navigation links: 'General Information', 'Accademic Information', and 'Contact Details'. The main content area is a table with a light yellow background. The table has two columns. The first column contains labels, and the second column contains values. The labels are 'Picture :', 'Graduation :', 'Post Graduation :', 'Hobbies :', and 'Aspiration :'. The values are a person icon, 'Bsc Computer Science', 'MCA', 'Animie', and 'Peace' respectively.

<a href="#">General Information</a>	<a href="#">Accademic Information</a>	<a href="#">Contact Details</a>
Picture :		
Graduation :	Bsc Computer Science	
Post Graduation :	MCA	
Hobbies :	Animie	
Aspiration :	Peace	

### AccDetails.html



The screenshot shows a web browser displaying a resume page titled 'AccDetails.html'. The page has a dark header bar with navigation links: 'General Information', 'Accademic Information', and 'Contact Details'. The main content area is a table with a light green background. The table has two columns: 'Stream' and 'College'. The 'Stream' column contains the value 'MCA', and the 'College' column contains the value 'TKM College Of Engineering'.

<a href="#">General Information</a>	<a href="#">Accademic Information</a>	<a href="#">Contact Details</a>
Accademic details		
Stream	College	
MCA	TKM College Of Engineering	

# Contact.html

← → 📄 File | C:/Users/kanna/Documents/GitHub/MCA/Web/Resume/Contact.html ⌵ ⌵ ⌵ Reading list

General Information Academic Information Contact Details

Contact details

Mobile No :

9495758577

Address :

Chirayinkeezhu ,Trivandrum

### LABCYCLE 1 QUESTION 3

#### AIM :

Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

#### DESIGN :

**Step 1 :** Create main html page which has links to other pages containing other types of frames

**Step 2 :** Create one page implementing Floating frames

**Step 3 :** Create one page implementing Mixed frames

**Step 3 :** Create one page implementing Navigation frames

#### PROGRAM CODE :

Frames.html	<pre>&lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;frameset cols="20%,50%"&gt; &lt;frame name="a" src="Navi.html" &gt;&lt;/frame&gt; &lt;frame name="b" &gt;&lt;/frame&gt; &lt;/frameset&gt; &lt;/html&gt;</pre>
Navi.html	<pre>&lt;html&gt; &lt;style&gt; .nav{ background-color: #f9f2ac;} &lt;/style&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body&gt; &lt;a href="floating.html" target="b"&gt;&lt;div class="nav"&gt;Floating&lt;/div&gt;&lt;/a&gt; &lt;a href="Mixed.html" target="b"&gt;&lt;div class="nav"&gt;Mixed&lt;/div&gt;&lt;/a&gt; &lt;/body&gt; &lt;/html&gt;</pre>

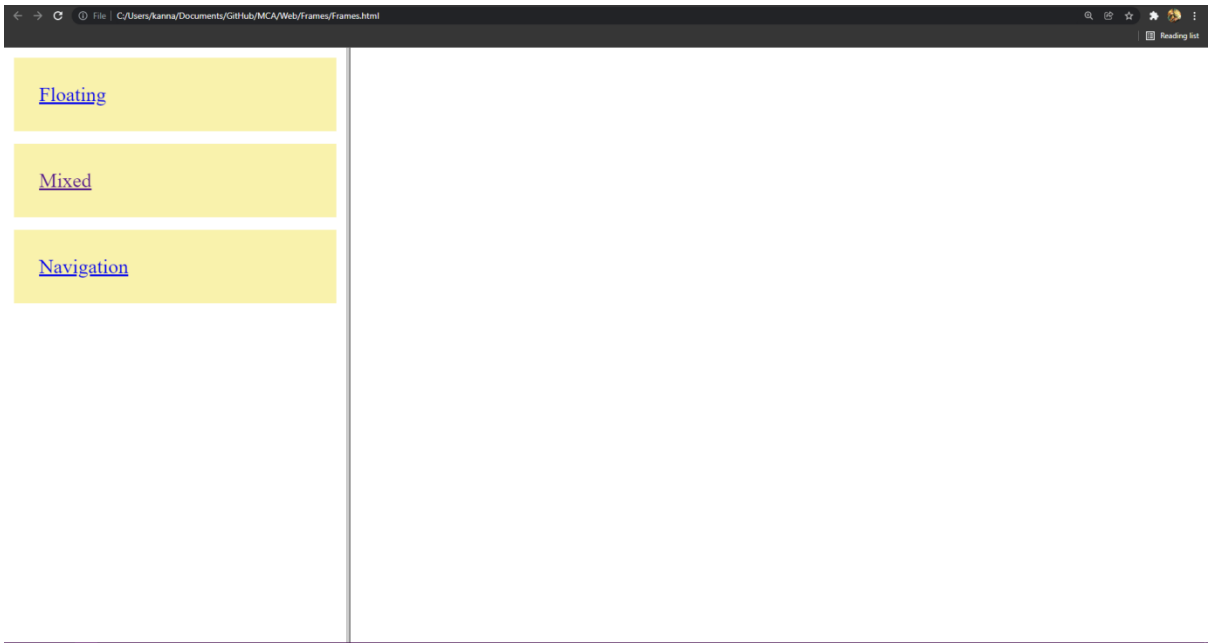
Mixed.html	<pre> &lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;frameset cols="50%,50%"&gt; &lt;frameset rows="50%,50%"&gt; &lt;frame name="a" src="contact.html" &gt;&lt;/frame&gt; &lt;frame name="c" src="contact.html"&gt;&lt;/frame&gt; &lt;/frameset&gt; &lt;frameset rows="50%,50%"&gt; &lt;frame name="a" src="contact.html" &gt;&lt;/frame&gt; &lt;frame name="c" src="contact.html"&gt;&lt;/frame&gt; &lt;/frameset&gt; &lt;/frameset&gt; &lt;/html&gt; </pre>
Floating.html	<pre> &lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body style="background-color: rgb(197, 129, 177);"&gt; &lt;center&gt;&lt;iframe width="60%" src="contact.html"&gt; &lt;/iframe&gt;&lt;/center&gt; &lt;/body&gt; &lt;/html&gt; </pre>
Contact.html	<pre> &lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body style="background-color: rgb(94, 104, 194);"&gt; &lt;center&gt;&lt;h1&gt;Test&lt;/h1&gt;&lt;/center&gt; &lt;/body&gt; &lt;/html&gt; </pre>

Navigate.html	<pre> &lt;html&gt; &lt;style&gt; .nav{ background-color: #f9f2ac; margin-bottom: 10px ; padding: 20px;} &lt;/style&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;body&gt; &lt;a href="https://tkmce.ac.in/" target="navi"&gt;&lt;div class="nav"&gt;TKM&lt;/div&gt;&lt;/a&gt; &lt;a href="https://www.cet.ac.in/" target="navi"&gt;&lt;div class="nav"&gt;CET&lt;/div&gt;&lt;/a&gt; &lt;/body&gt; &lt;/html&gt; </pre>
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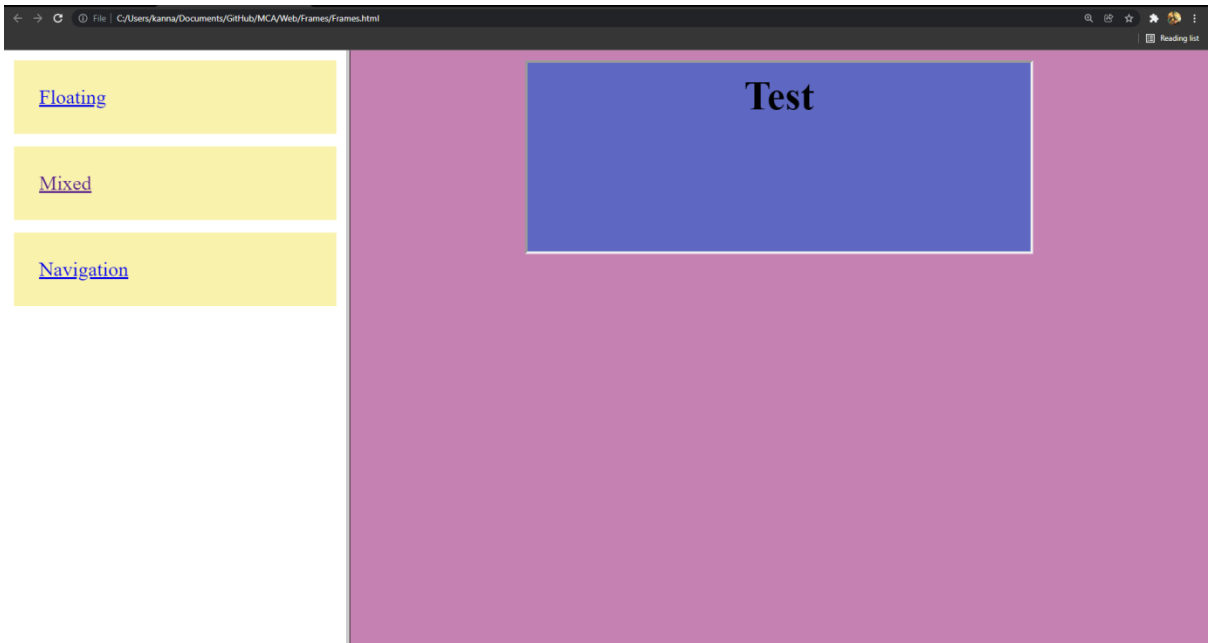
NavigationFrame.html	<pre> &lt;html&gt; &lt;style&gt; .nav {background-color: #f9f2ac; margin-bottom: 10px ; padding: 20px;} &lt;/style&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;/head&gt; &lt;frameset cols="20%,80%"&gt; &lt;frame src="Navigate.html"&gt;&lt;/frame&gt; &lt;frame name="navi"&gt;&lt;/frame&gt; &lt;/frameset&gt; &lt;/html&gt; </pre>
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**RESULT :**

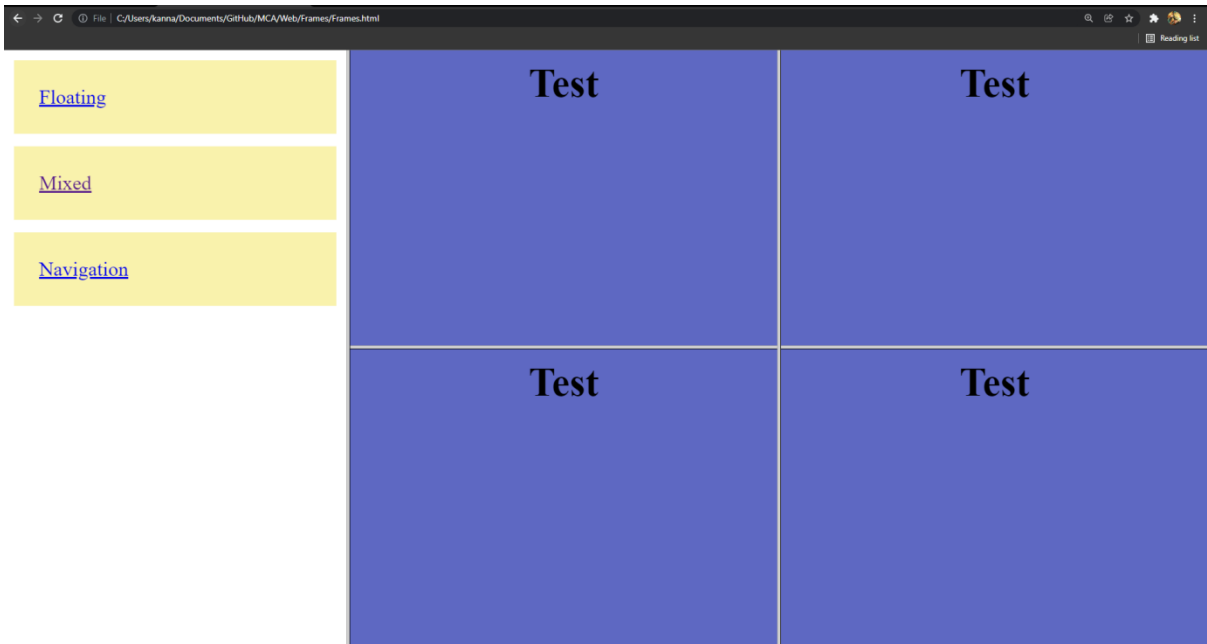
**Frames.html**



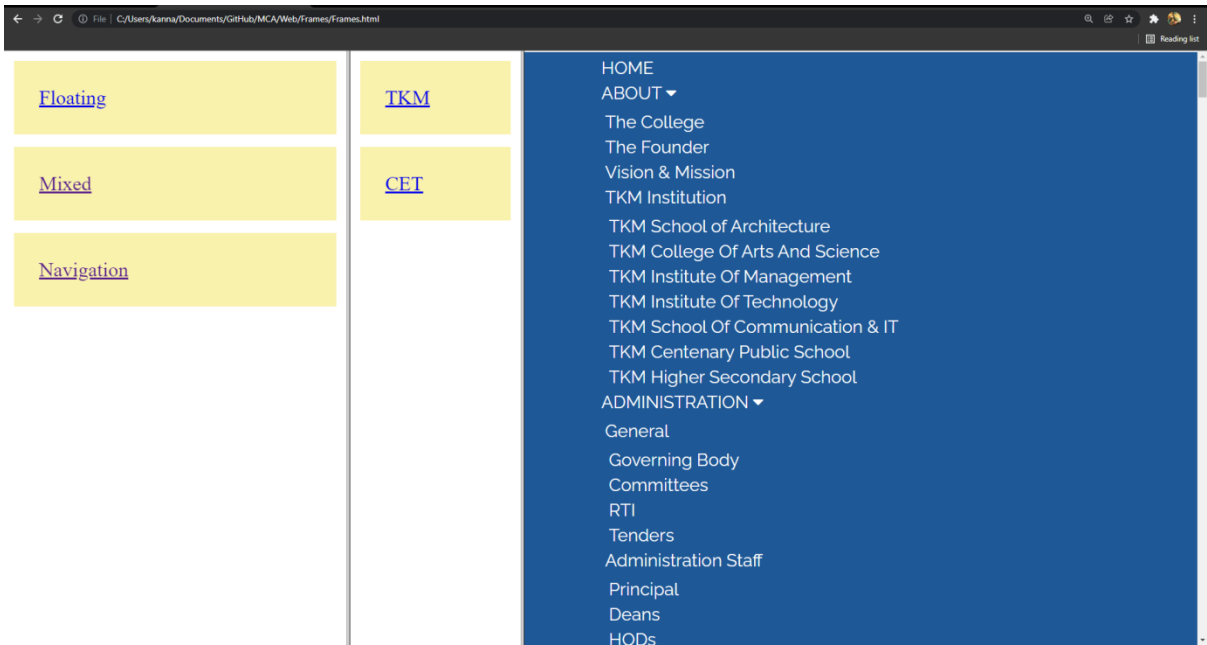
**Floating.html**



Mixed.html



NavigationFrame.html



## LABCYCLE 1 QUESTION 4

### AIM :

Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

### DESIGN :

**Step 1 :** Create main html page which has some common tags

**Step 2 :** Add some internal Styles

**Step 3 :** Add some inline styles

**Step 3 :** Create one external style sheet file and add link to the html file

### PROGRAM CODE :

RegForm.html	<pre>&lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;link rel="stylesheet" href="Reg.css"&gt; &lt;style&gt; .input{ border-radius: 5px; border:0px solid #df9c70; padding:10px; float: left; width: 100%;} .button{ padding: 10px; width: 75%; border-radius: 20px; border:1px solid rgb(94, 155, 94); background-color: rgb(94, 155, 94); color: white;} p{ font-family:Sans-serif; font-weight: bold;} .button,.input:hover{ border:1px solid green;} &lt;/style&gt;</pre>
--------------	---



```

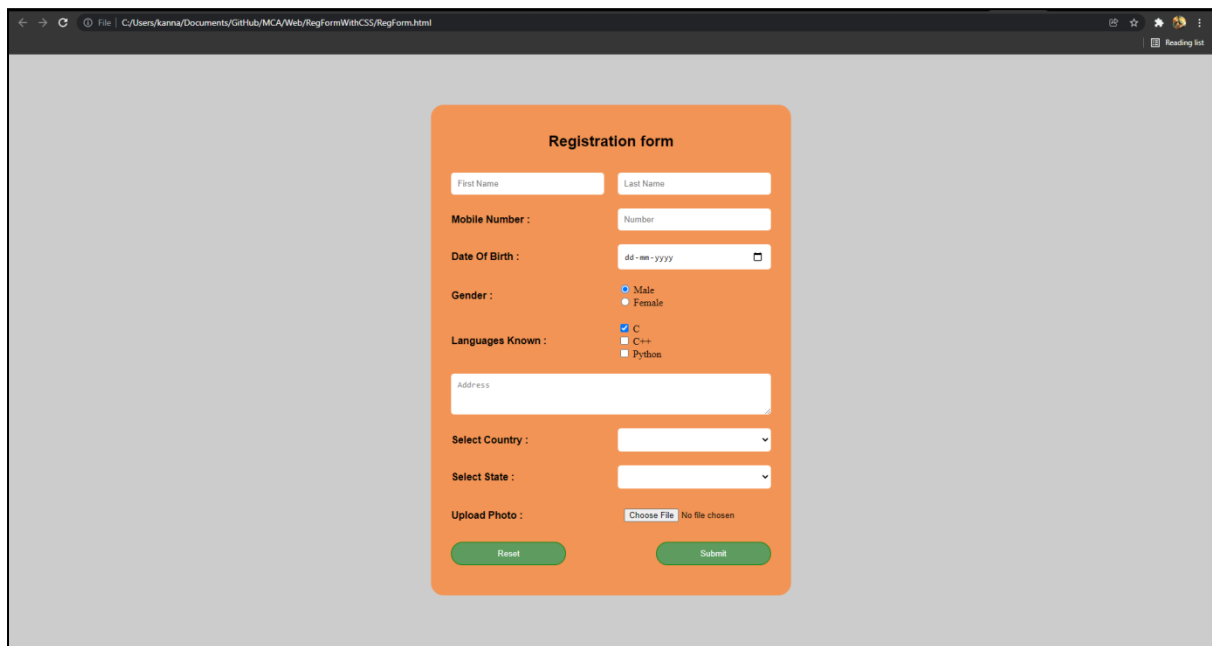
</head>
<body><br><br><br><br>
<center>
<div class="outer">
<h2><p>Registration form</p></h2>
<form>
<table>
<tr>
<td><input type="text" placeholder="First Name"
class="input"/></td>
<td><input type="text" placeholder="Last Name"
class="input"/></td>
</tr>
<tr>
<td><p>Mobile Number :</p></td>
<td><input type="number" placeholder="Number"
class="input"/></td>
</tr>
<tr>
<td><p>Date Of Birth :</p></td>
<td><input type="date" class="input"></td>
</tr>
<tr>
<td><p>Gender :</p></td>
<td><input type="radio" value="Male" id="male" checked="true">
<label for="male">Male</label><br>
<input type="radio" value="Female" id="male">
<label for="male">Female</label><br></td>
</tr>
<tr>
<td><p>Languages Known :</p></td>
<td><input type="checkbox" value="c" id="c" checked="true">
<label for="c">C</label><br>
<input type="checkbox" value="c++" id="c++">
<label for="c++">C++</label><br>
<input type="checkbox" value="p" id="p">
<label for="p">Python</label><br></td>
</tr>
<tr>
<td colspan="2"><textarea cols="50" rows="3"
placeholder="Address" class="input"></textarea></td>
</tr>
<tr>
<td colspan="2">
<td><p>Select Country :</p></td>
<td><select class="input">
<option value="" ></option>
<option value="India" >India</option>
</select></td>
</tr>

```

	<pre> &lt;tr&gt; &lt;td&gt;&lt;p&gt;Select State : &lt;p&gt;&lt;/td&gt; &lt;td&gt;&lt;select class="input"&gt; &lt;option value="" &gt;&lt;/option&gt; &lt;option value="Kerala" &gt;Kerala&lt;/option&gt; &lt;/select&gt;&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;&lt;p&gt;Upload Photo : &lt;/p&gt;&lt;/td&gt; &lt;td&gt;&lt;input type="file" placeholder="Number" class="input"/&gt;&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;&lt;input type="reset" value="Reset" class="button"/&gt;&lt;/td&gt; &lt;td&gt;&lt;input type="submit" value="Submit" class="button" style="float:right;"/&gt;&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/div&gt; &lt;/form&gt; &lt;/center&gt; &lt;/body&gt; &lt;/html&gt; </pre>
--	--

Reg.css	<pre> td { padding:10px; margin:10px; width:50%; } .outer{ width:28%; padding:20px; border-radius:20px; background-color:#f29455; } body { background-color:#CCCCCC; } </pre>
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## RESULT :



The screenshot shows a web browser window with the address bar displaying the file path: C:\Users\kanna\Documents\Github\MCA\Web\RegFormWithCSS\RegForm.html. The browser's address bar also shows a 'Reading list' icon. The main content area features a registration form with an orange background and rounded corners. The form is titled 'Registration form' and contains the following fields and controls:

- First Name** and **Last Name**: Text input fields.
- Mobile Number :** Text input field with a placeholder 'Number'.
- Date Of Birth :** Text input field with a placeholder 'dd-mm-yyyy' and a calendar icon.
- Gender :** Radio button controls for **Male** and **Female**.
- Languages Known :** Checkboxes for **C** (checked), **C++**, and **Python**.
- Address**: Text input field.
- Select Country :** Dropdown menu.
- Select State :** Dropdown menu.
- Upload Photo :** File upload control with a 'Choose File' button and 'No file chosen' text.
- Reset** and **Submit**: Green buttons at the bottom of the form.

## LABCYCLE 1 QUESTION 5

### AIM :

Demonstrate a registration form using HTML.

### DESIGN :

**Step 1 :** Create main html page which has various types of form elements

**Step 2 :** Add some test boxes, text area etc

**Step 3 :** Add some checkboxes, radio buttons and apply some styles id needed

**Step 3 :** Create a submit button and reset button

### PROGRAM CODE :

RegForm.html	<pre>&lt;html&gt; &lt;head&gt; &lt;title&gt;My college&lt;/title&gt; &lt;meta name="viewport" content="width=device-width,initial- scale=1.0"&gt; &lt;link rel="stylesheet" href="Reg.css"&gt; &lt;style&gt; .input{ border-radius: 5px; border:0px solid #df9c70; padding:10px; float: left; width: 100%;} .button{ padding: 10px; width: 75%; border-radius: 20px; border:1px solid rgb(94, 155, 94); background-color: rgb(94, 155, 94); color: white;} p{ font-family:Sans-serif; font-weight: bold;} .button,.input:hover{ border:1px solid green;} &lt;/style&gt;</pre>
--------------	---

```

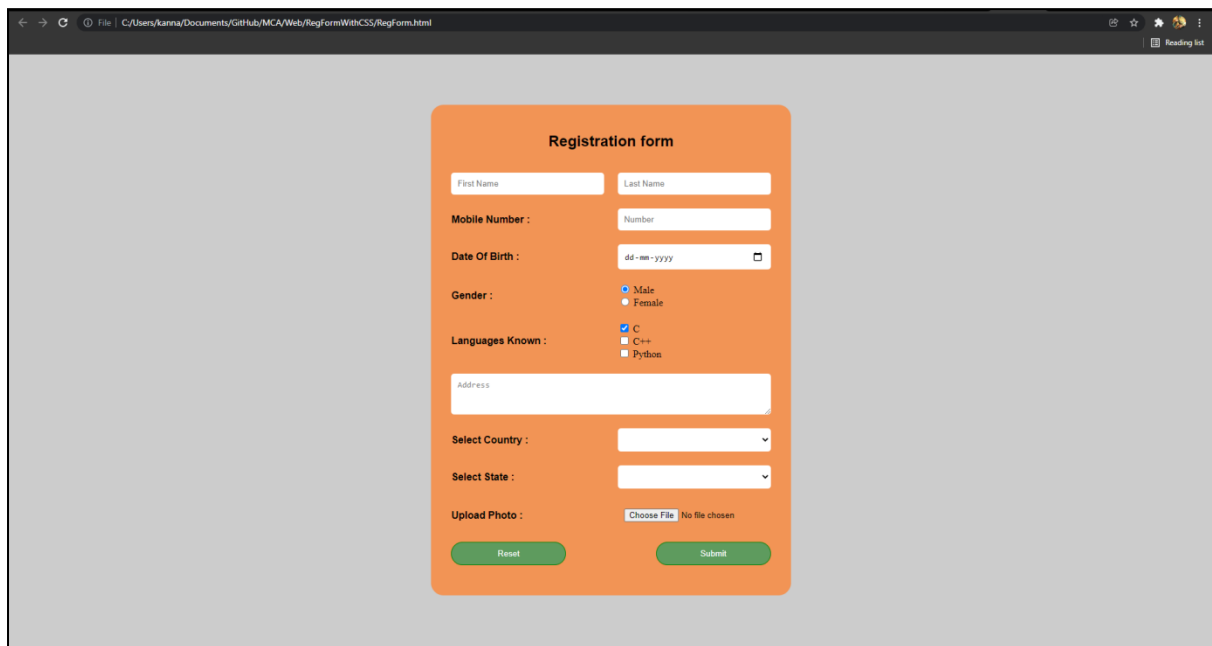
</head>
<body><br><br><br><br>
<center>
<div class="outer">
<h2><p>Registration form</p></h2>
<form>
<table>
<tr>
<td><input type="text" placeholder="First Name"
class="input"/></td>
<td><input type="text" placeholder="Last Name"
class="input"/></td>
</tr>
<tr>
<td><p>Mobile Number :</p></td>
<td><input type="number" placeholder="Number"
class="input"/></td>
</tr>
<tr>
<td><p>Date Of Birth :</p></td>
<td><input type="date" class="input"></td>
</tr>
<tr>
<td><p>Gender :</p></td>
<td><input type="radio" value="Male" id="male" checked="true">
<label for="male">Male</label><br>
<input type="radio" value="Female" id="male">
<label for="male">Female</label><br></td>
</tr>
<tr>
<td><p>Languages Known :</p></td>
<td><input type="checkbox" value="c" id="c" checked="true">
<label for="c">C</label><br>
<input type="checkbox" value="c++" id="c++">
<label for="c++">C++</label><br>
<input type="checkbox" value="p" id="p">
<label for="p">Python</label><br></td></td>
</tr>
<tr>
<td colspan="2"><textarea cols="50" rows="3"
placeholder="Address" class="input"></textarea></td>
</tr>
<tr>
<td><p>Select Country :</p></td>
<td><select class="input">
<option value="" ></option>
<option value="India" >India</option>
</select></td> </tr>

```

	<pre> &lt;tr&gt; &lt;td&gt;&lt;p&gt;Select State : &lt;p&gt;&lt;/td&gt; &lt;td&gt;&lt;select class="input"&gt; &lt;option value="" &gt;&lt;/option&gt; &lt;option value="Kerala" &gt;Kerala&lt;/option&gt; &lt;/select&gt;&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;&lt;p&gt;Upload Photo : &lt;/p&gt;&lt;/td&gt; &lt;td&gt;&lt;input type="file" placeholder="Number" class="input"/&gt;&lt;/td&gt; &lt;/tr&gt; &lt;tr&gt; &lt;td&gt;&lt;input type="reset" value="Reset" class="button"/&gt;&lt;/td&gt; &lt;td&gt;&lt;input type="submit" value="Submit" class="button" style="float:right;"/&gt;&lt;/td&gt; &lt;/tr&gt; &lt;/table&gt; &lt;/div&gt; &lt;/form&gt; &lt;/center&gt; &lt;/body&gt; &lt;/html&gt; </pre>
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Reg.css	<pre> td { padding:10px; margin:10px; width:50%; } .outer{ width:28%; padding:20px; border-radius:20px; background-color:#f29455; } body { background-color:#CCCCCC; } </pre>
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## RESULT :



The screenshot displays a web browser window with the address bar showing the file path: `C:/Users/kanna/Documents/GitHub/MCA/Web/RegFormWithCSS/RegForm.html`. The browser's address bar also includes navigation icons (back, forward, refresh) and a search icon. The page content features a registration form with an orange background and rounded corners, centered on a light gray background. The form is titled "Registration form" and contains the following fields and controls:

- First Name** and **Last Name**: Text input fields.
- Mobile Number :** Text input field with a placeholder "Number".
- Date Of Birth :** Text input field with a placeholder "dd-mm-yyyy" and a calendar icon.
- Gender :** Radio button controls for **Male** and **Female**.
- Languages Known :** Checkable controls for **C** (checked), **C++**, and **Python**.
- Address**: Text input field.
- Select Country :** Dropdown menu.
- Select State :** Dropdown menu.
- Upload Photo :** File upload control with a "Choose File" button and "No file chosen" text.
- Reset** and **Submit**: Green buttons at the bottom of the form.