

BASIC TAGS

PROGRAM NO: 1

DATE: 25-11-2021

AIM: Create a simple HTML file to demonstrate the use of different tags. Set the title of the page as "Simple HTML Page". Within the body perform the following.

[Moving text = "Simple HTML Page", Different heading tags (h1 to h6), Paragraph, Horizontal line, Line Break, Block Quote (single quote ', double "), Pre tag, Different Logical Style (, <sub>, <sup>....), Different Physical style (<strike>, , ...), Listing tags ol (with types, and each type provide different "type" attributes), Align tag]

THEORETICAL BACKGROUND USED:

The <marquee> tag is a container tag of HTML is implemented for creating scrollable text or images within a web page.

A HTML <heading> tag can be defined as a title or a subtitle which you want to display on the webpage.

The <blockquote> tag specifies a section that is quoted from another source.

 specifies bold text.

<i> specifies italic text.

<u> specifies underlined text.

 The Line Break element.

 tag defines an ordered list.

<hr> tag is used to insert horizontal rule.

CODE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Simple HTML Page</title>
  </head>
  <body>
    <marquee>Simple HTML Page</marquee>
    <h1>This is heading 1</h1>
    <h2>This is heading 2</h2>
    <h3>This is heading 3</h3>
    <h4>This is heading 4</h4>
    <h5>This is heading 5</h5>
    <h6>This is heading 6</h6>
    <hr>
    <p>
      <b>HTML stands for Hyper Text Markup Language.</b><br>
      <u>HTML is the standard markup language for creating Web pages,</u><br>
      <i>HTML describes the structure of a Web page.</i><br>
      This text contains <sub>subscript</sub> text.<br>
```

This text contains ^{superscript} text.

My favorite color is blue <ins>red</ins>!

The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.</p>

<hr>

<h2>Blockquote Tag</h2>

<blockquote>

<p>A Great Motivational Quote :</p>

<p><i>

At the end of the day, you are solely responsible for your success and your failure. And the sooner you realize that, you accept that, and integrate that into your work ethic, you will start being successful. As long as you blame others for the reason you aren't where you want to be, you will always be a failure.</i>

</p>

</blockquote>

<hr>

<h3><center>The Pre Element</center></h3>

<center><pre>

Text in a pre element
is displayed in a fixed-width
font, and it preserves
both spaces and
line breaks

</pre></center>

<hr>

<h4>Ordered List</h4>

<ol type="1">

list1

list2

list3

list4

<ol type="A">

list1

list2

list3

list4

<ol type="i">

list1

list2

list3

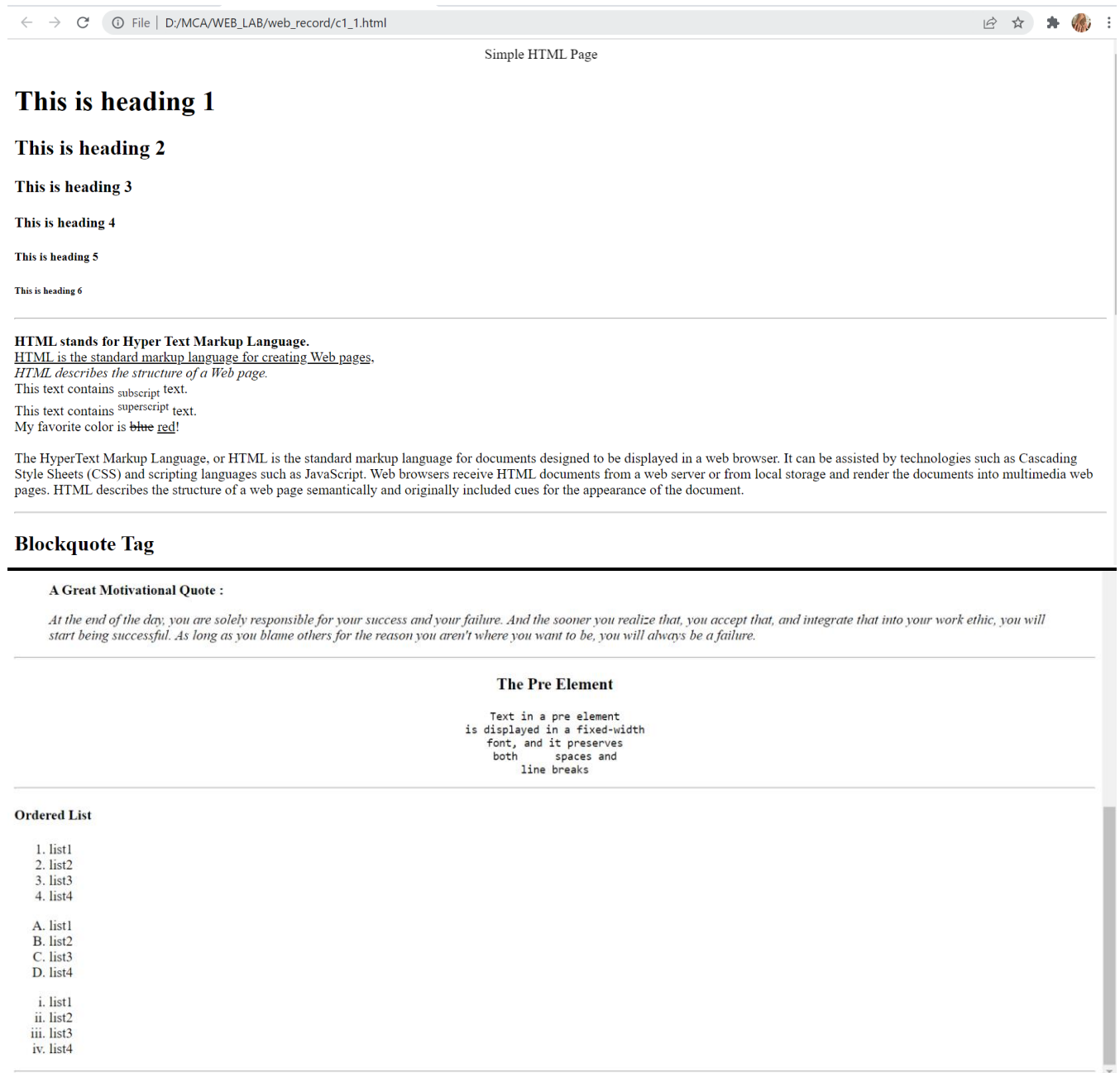
list4

<hr>

</body>

</html>

RESULTS AND OBSERVATION:



Simple HTML Page

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

HTML stands for Hyper Text Markup Language.
HTML is the standard markup language for creating Web pages.
HTML describes the structure of a Web page.
This text contains _{subscript} text.
This text contains ^{superscript} text.
My favorite color is ~~blue~~ red!

The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

Blockquote Tag

A Great Motivational Quote :

At the end of the day, you are solely responsible for your success and your failure. And the sooner you realize that, you accept that, and integrate that into your work ethic, you will start being successful. As long as you blame others for the reason you aren't where you want to be, you will always be a failure.

The Pre Element

```
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both    spaces and
        line breaks
```

Ordered List

1. list1
2. list2
3. list3
4. list4

A. list1
B. list2
C. list3
D. list4

i. list1
ii. list2
iii. list3
iv. list4

INFERENCE:

Basic tags are used for the basic styling of the page and which includes
bolding, italics, underlines.....

LINKING PAGES

PROGRAM NO: 2

DATE: 25/11/2021

AIM: Create a HTML file to link to different HTML pages(Image gallery, Time table of Gallery shows, Your Profile with sections) which contains images, tables, and also link within a page (profile).

THEORETICAL BACKGROUND USED:

The <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the **href** attribute, which indicates the link's destination.

- ☐ An unvisited link is underlined and blue
- ☐ A visited link is underlined and purple
- ☐ An active link is underlined and red

CODE:

Home Page.html

```
<!DOCTYPE html>
<html>
<head>
<title>HTML Pages</title>
<style type="text/css">
table,td
{
border: 2;
height: 50px;
width: 350px;
text-align: center;
text-shadow: black;
border-radius: 6px;
font-size: 20px;
}

a,th
{
height: 25px;
width: 200px;
border-radius: 150px;
color: blue;
```

```

        font-size: 15px;
    }
</style>
</head>
<body bgcolor="#fafafa">
    <center><h1 style="background-color:grey;color:white">HOME PAGE</h1></center>
<table align="center" border="2">
<tr>
    <td style="background-color: skyblue;"><b>Profile</b></td>
    <th><a href="2.profile.html">Click Here..</a></th>
</tr>
<tr>
    <td style="background-color: skyblue;"><b>Time-Table</b></td>
    <th><a href="2.timetable.html">Click Here..</a></th>
</tr>
<tr>
    <td style="background-color: skyblue;"><b>Gallery</b></td>
    <th><a href="2.gallery.html">Click Here..</a></th>
</tr>
</table>
</body>
</html>

```

Profile.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<title></title>
<style type="text/css">
th
{
    background: #cce6ff;
    width:200px;
    height: 60px;
    border-radius: 5px;
    font-size: 20px;
}
td
{
    font-style: italic;
    background: #cce6ff;

```

```

        border-radius: 20px;
        font-size: 18px;
        align-content: left;
    }

img
{
    width: 100px;
    height: 100px;
    border-radius: 40px;
}
h1
{
    color: red;
}
</style>
</head>
<body bgcolor="#e6f9ff">
    <center><h1 style="background-color:grey;color:white">PROFILE</h1></center>
    <table align="center">
    <tr>
        <th colspan="2" style="border-radius: 10px;height: 100px;width: 100px;"></img></th>
    </tr>
    <tr>
        <th>NAME:</th>
        <td>Shirin Shahana V A</td>
    </tr>
    <tr>
        <th>D.O.B:</th>
        <td>06/03/2000</td>
    </tr>
    <tr>
        <th>AGE:</th>
        <td>22</td>
    </tr>
    <tr>
        <th>SEX:</th>
        <td>Female</td>
    </tr>
    <tr>
        <th>CONTACT NO.</th>
        <td>7356183603</td>
    </tr>
    <tr>

```

```

        <th>E-MAIL ID.</th>
        <td>shirinshahana06032000@gmail.com</td>
    </tr>
    <tr>
        <th>ADDRESS:</th>
        <td>Vathimattom(H), Vengola, Arackappady</td>

    </tr>
    <tr>
        <th>PIN CODE:</th>
        <td>683556</td>

    </tr>
    <tr>
        <th>CITY:</th>
        <td>Ernakulam</td>

    </tr>
</table>
    <p align="center"><a href="2.Home Page.html"><b>Go to Home Page..</b></a></p>
</body>
</html>

```

Timetable.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
</title>
<style type="text/css">
table
{
    text-align: center;
    width: 400px;
    height: 200px;
    background: #0bd4a5;
}
</style>
</head>
<body bgcolor="#ffffcc">

    <center><h1 style="background-color:grey;color:white">TIME-TABLE</h1></center>
    <table align="center" border="1">
    <tr>

```

```

        <th>DATE</th>
        <th>DAY</th>
        <th>SUBJECT</th>
    </tr>
    <tr>
        <td>20-11-2021</td>
        <td>Monday</td>
        <td>English</td>
    </tr>
    <tr>
        <td>21-11-2021</td>
        <td>Tuesday</td>
        <td>Mathematics</td>
    </tr>
    <tr>
        <td>22-11-2021</td>
        <td>Wednesday</td>
        <td>Social Science</td>
    </tr>
    <tr>
        <td>23-11-2021</td>
        <td>Thursday</td>
        <td>Social Studies</td>
    </tr>
    <tr>
        <td>24-11-2021</td>
        <td>Friday</td>
        <td>Hindi</td>
    </tr>
</table>
<p align="center"><a href="2.Home Page.html"><b>Go to Home Page..</b></a></p>
</body>
</html>

```

Gallery.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Gallery</title>
    <style type="text/css">
img
{
    width: 300px;

```



```

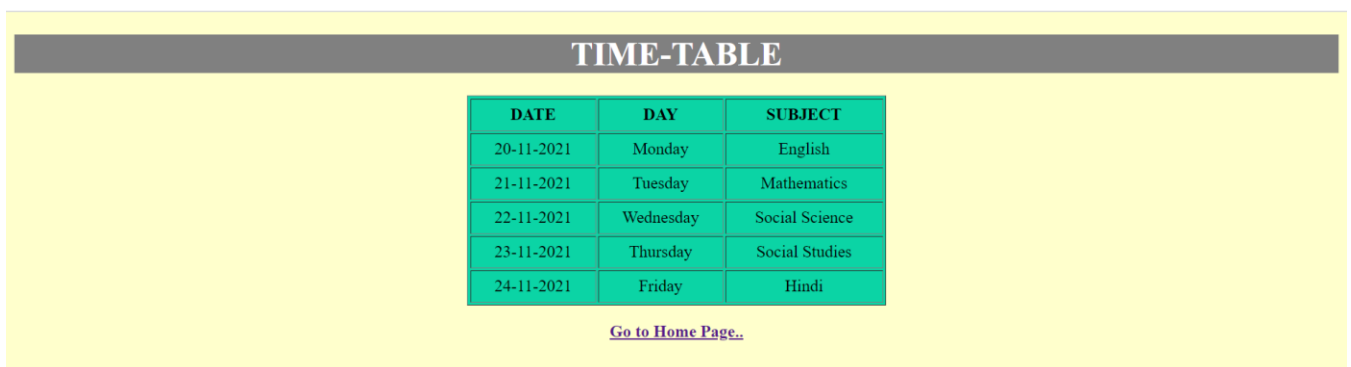
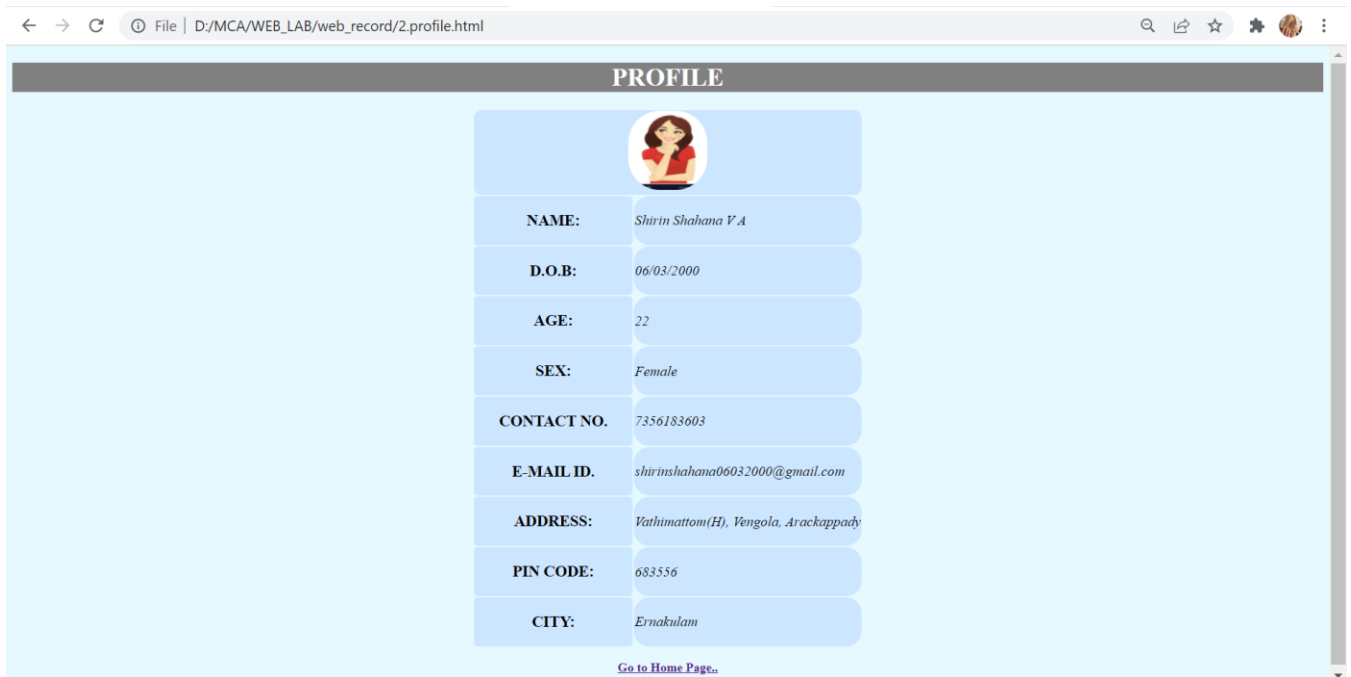
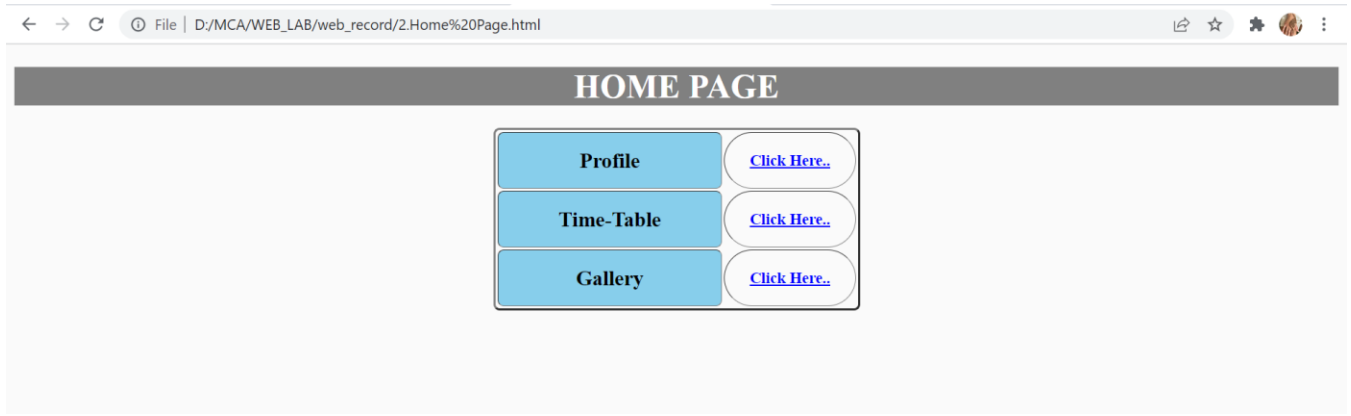
        height: 200px;
    }
table
{
    border-radius: 2px;
}
</style>
</head>
<body>
    <center><h1 style="background-color:grey;color:white">GALLERY</h1></center>
<table align="center">

<tr>
    <td></img></td>
    <td></img></td>
</tr>
<tr>
    <td></img></td>
    <td></img></td>
</tr>
<tr>
    <td></img></td>
    <td></img></td>
</tr>
</table>

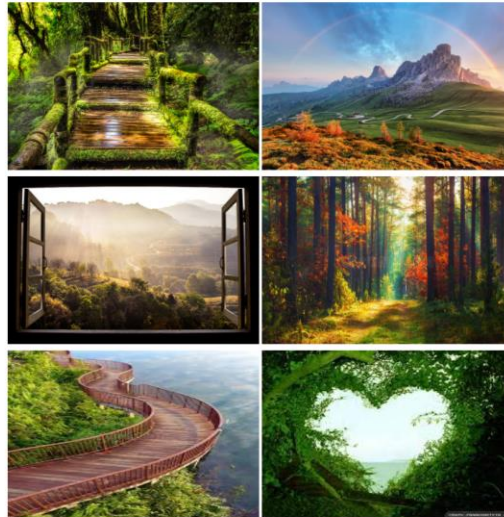
    <p align="right"><a href="2.Home Page.html">Go to Home Page..</a></p>
</body>
</html>

```

RESULTS AND OBSERVATION:



GALLERY



[Go to Home Page..](#)

INFERENCE:

We can create links using anchor tag.

Link to the another page and link to the different parts of the same page are possible.

FRAMES

PROGRAM NO: 3

DATE: 02-12-2021

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

THEORETICAL BACKGROUND USED:

HTML **frames** are used to divide your browser window into multiple sections where each section can load a separate HTML document. A collection of frames in the browser window is known as a **frameset**. The window is divided into frames in a similar way the tables are organized: into rows and columns.

The **floating frame** is used to create an inline framed region or window that acts similarly to any other embedded object insofar as text can be flowed around it

CODE:

Mixedframes.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title></title>
<style type="text/css">
</style>
</head>
    <frameset cols="25%,*">
        <frame src="Jerin.jpg">
        <frameset rows="50%,50%">
            <frame src="2.5.jpg">
            <frame src="2.timetable.html">
        </frameset>
    </frameset>
</html>
```

Navigationframe.html

```
<html>
<frameset cols="25%,75%">
<frame src="target.html"></frame>
<frame name="frame2"></frame>
</html>
```

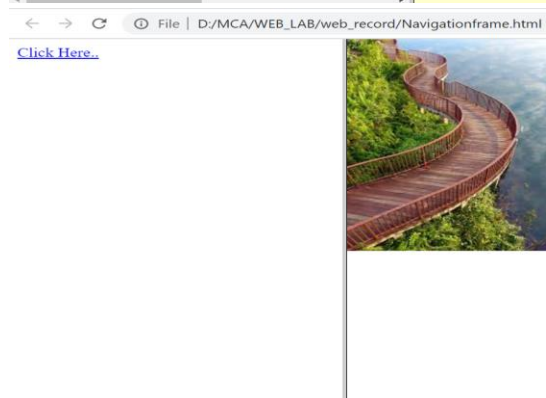
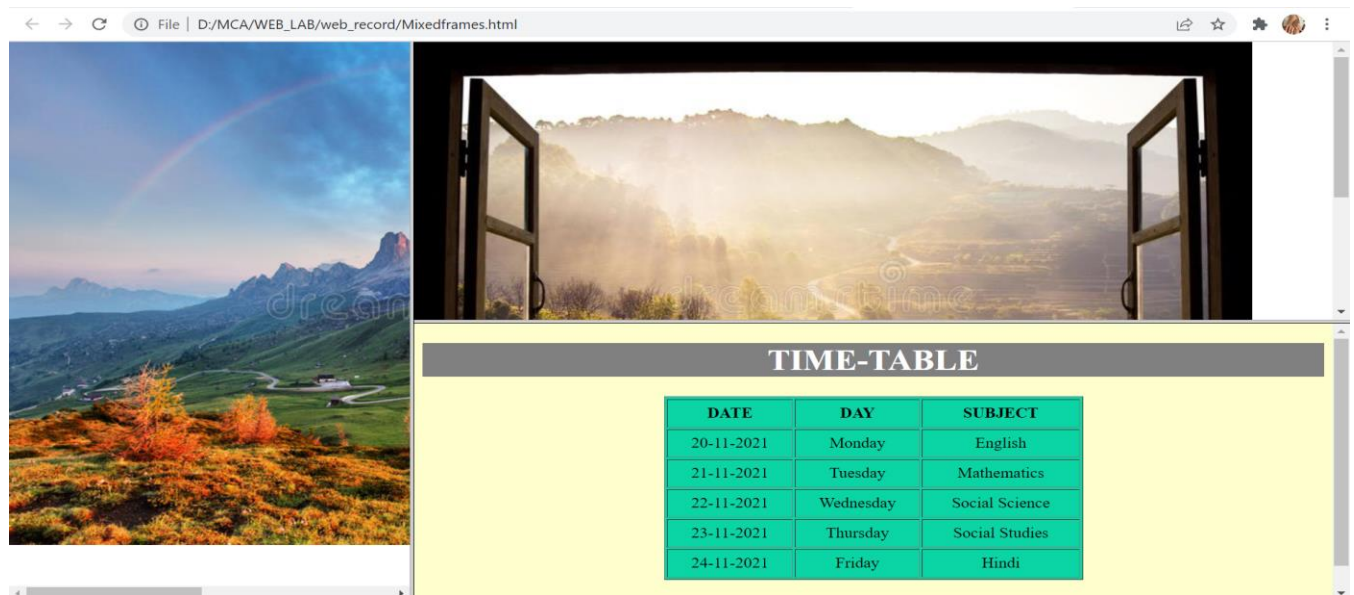
target.html

```
<!DOCTYPE html>
<html>
<head>
<title></title>
</head>
<body>
<a href="2.5.jpg" target="frame2">Click Here..</a>
</body>
</html>
```

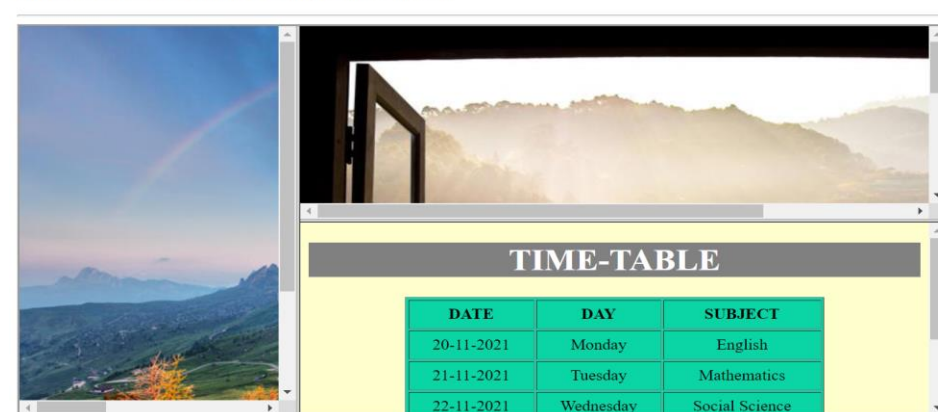
floatingframe.html

```
<html>
<body>
<p> The floating frame is used to create an inline framed region or window that acts similarly to any
other embedded object insofar as text can be flowed around it. Define it. Within the body of an HTML
element an inline frame is defined by the iframe element.
</p>
<hr>
<iframe src="3.mixedframes.html" height="70%" width="70%">
</iframe>
</body>
</html>
```

RESULTS AND OBSERVATIONS:



The floating frame is used to create an inline framed region or window that acts similarly to any other embedded object insofar as text can be flowed around it. Define it. Within the body of an HTML element an inline frame is defined by the `iframe` element.



INFERENCE:

We can divide the window into any number of frames and display the content separately using frames. Floating windows can be created using `<iframe>` tag and we can display any content inside the floating window.

CSS

PROGRAM NO: 4

DATE: 02-12-2021

AIM: Create a HTML file by applying the different styles using inline, external & internal style sheets

THEORETICAL BACKGROUND USED:

An **inline** style may be used to apply a unique style for a single element. With an **external** style sheet, you can change the look of an entire website by changing just one file!. Each HTML page must include a reference to the external style sheet file inside the <link> element, inside the head section.

An **internal** style sheet may be used if one single HTML page has a unique style. The internal style is defined inside the <style> element, inside the head section.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title></title>
<link rel="stylesheet" type="text/css" href="mystyle.css">
<style type="text/css">
.d2
{
    background: lightyellow;
    margin-bottom: 20px;
}
.d3
{
    margin-left: 40px;
    color: yellow;
}
h1
{
    color: navy;
    margin-left: 20px;
}
h2
{
    color: red;
    margin-left: 40px;
}
```

```

h3
{
    color: yellow;
    margin-left: 80px;
}
#c1
{
    color: red;
}
</style>
</head>
<body><center>
<div class="d1">
<b>Set an External CSS mystyle.css</b><hr>
<b>Page Background-color must be lightgreen</b><br>
<h1>Hello.. Good Morning</h1>
<b style="color:green;">Set an inline CSS(this header is affected with external css)</b>
<hr>
<b id="c1">Header -color must be red</b>
<h2>Jerin Joy</h2>
<div class="d2">
<b>Set an Internal CSS</b>
<hr>
<h3>How are you?..</h3>
<b style="color:black;">This paragraph will not be affected.</b>
</div>
</div>
</center>
</body>
</html>

```

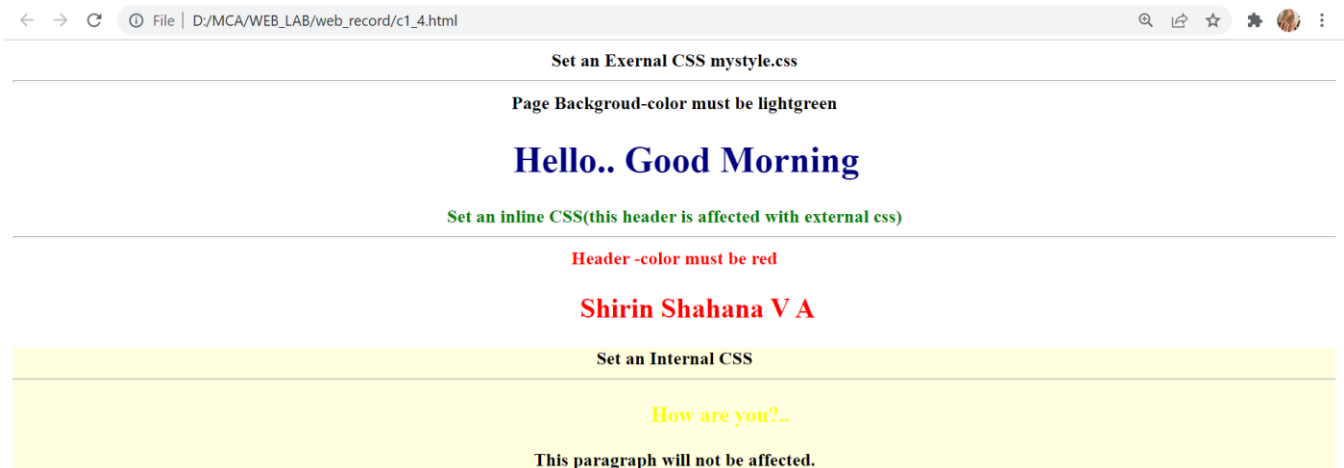
mstyle.css

```

.d1
{
    width:850px;
    border: 2px solid black;
    background: lightblue;
    color: blue;
    margin-left: 25%;
    margin-top: 45px;
}

```


RESULTS AND OBSERVATIONS:



INFERENCE:

We can decorate any page using css and it can be added using any style according to the user.

Css gives more formatting options and greater control of presentation.

REGISTRATION FORM

PROGRAM NO: 5

DATE: 05-12-2021

AIM: Create a registration form using HTML. Use .css and table to structure the elements.

THEORETICAL BACKGROUND USED:

The HTML tables allow web authors to arrange data like text, images, links, other tables, etc. into rows and columns of cells. The HTML tables are created using the **<table>** tag in which the **<tr>** tag is used to create table rows and **<td>** tag is used to create data cells. The elements under **<td>** are regular and left aligned by default.

CODE:

```
<!DOCTYPE html>
<html>
<head>
    <title>REGISTRATON FORM</title>
    <center> <marquee><H1> <U> Registration Form </U> </H1></marquee></center>
    <style type="text/css">
        table
        {
            box-shadow: 10px 10px 10px 2px
        }
        body
        {
            font-size: 20px;
            background-image: url('registration.jpg');
            background-size: 1500px 800px;
        }
    </style>
</head>
<body>

<center>
<TABLE bgcolor="#2ba9e3" style ="border-radius: 30px;" style="border-collapse: collapse;"
cellspacing="7px" cellpadding="8px" > </style>
<form action="">
<tr >
    <th style="text-align:left;"> <br> First Name </th>
    <th style="text-align:left;"> <br><input type="textbox" name="textbox" ></th>
</tr>
```

```

<tr >

    <th style="text-align:left;"> <br> Middle Name </th>
    <th style="text-align:left;"> <br><input type="text" name="text" ></th>
</tr>
<tr >

    <th style="text-align:left;"> <br> Last Name </th>
    <th style="text-align:left;"> <br><input type="text" name="text" ></th>
</tr>
<tr>

    <th style="text-align:left;"> Date of Birth</th>
    <th style="text-align:left;"> <input type="text" name="Date" ></th>
</tr>
<tr>

    <th style="text-align:left;"> Gender </th>
    <td style="text-align:left;"> Male <input type="radio" name="radio" >
        Female <input type="radio" name="radio" > </td>
</tr>
<tr>

    <th style="text-align: left;"> E-Mail </th>
    <td style="text-align: left;"> <input type="text" placeholder="E-Mail"> </td>
</tr>
<tr>

    <th style="text-align:left;"> Blood Group </th>
    <th style="text-align:left;"> <select name=" ">
        <option value="....Select..."> ....Select...</option>
        <option value="O +ve"> O +ve </option>
        <option value="A +ve"> A +ve </option>
        <option value="B +ve"> B +ve </option>
        <option value="B -ve"> B -ve </option>
    </select>
</th>
</tr>
<tr>

    <th style="text-align:left;"> Father's Name </th>
    <th style="text-align:left;"> <input align="right" type="text" name="text"><br> </th>
</tr>
<tr>

    <th style="text-align:left;"> Mother's Name </th>
    <th style="text-align:left;"> <input align="right" type="text" name="text"><br> </th>
</tr>
<tr>

    <th style="text-align:left;"> Address </th>
    <th style="text-align:left;"> <input type="text"><br> </th>

```

</tr>

<tr>

<th style="text-align:left;"> State </th>

<td><select name="state">

<option value="....Select...">Select...</option>

<option value="Andhra Pradesh">Andhra Pradesh</option>

<option value="Andaman and Nicobar Islands">Andaman and Nicobar Islands</option>

<option value="Arunachal Pradesh">Arunachal Pradesh</option>

<option value="Assam">Assam</option>

<option value="Bihar">Bihar</option>

<option value="Chandigarh">Chandigarh</option>

<option value="Chhattisgarh">Chhattisgarh</option>

<option value="Dadar and Nagar Haveli">Dadar and Nagar Haveli</option>

<option value="Daman and Diu">Daman and Diu</option>

<option value="Delhi">Delhi</option>

<option value="Lakshadweep">Lakshadweep</option>

<option value="Puducherry">Puducherry</option>

<option value="Goa">Goa</option>

<option value="Gujarat">Gujarat</option>

<option value="Haryana">Haryana</option>

<option value="Himachal Pradesh">Himachal Pradesh</option>

<option value="Jammu and Kashmir">Jammu and Kashmir</option>

<option value="Jharkhand">Jharkhand</option>

<option value="Karnataka">Karnataka</option>

<option value="Kerala">Kerala</option>

<option value="Madhya Pradesh">Madhya Pradesh</option>

<option value="Maharashtra">Maharashtra</option>

<option value="Manipur">Manipur</option>

<option value="Meghalaya">Meghalaya</option>

<option value="Mizoram">Mizoram</option>

<option value="Nagaland">Nagaland</option>

<option value="Odisha">Odisha</option>

<option value="Punjab">Punjab</option>

<option value="Rajasthan">Rajasthan</option>

<option value="Sikkim">Sikkim</option>

<option value="Tamil Nadu">Tamil Nadu</option>

<option value="Telangana">Telangana</option>

<option value="Tripura">Tripura</option>

<option value="Uttar Pradesh">Uttar Pradesh</option>

<option value="Uttarakhand">Uttarakhand</option>

<option value="West Bengal">West Bengal</option>

</select>

</td>

</tr>

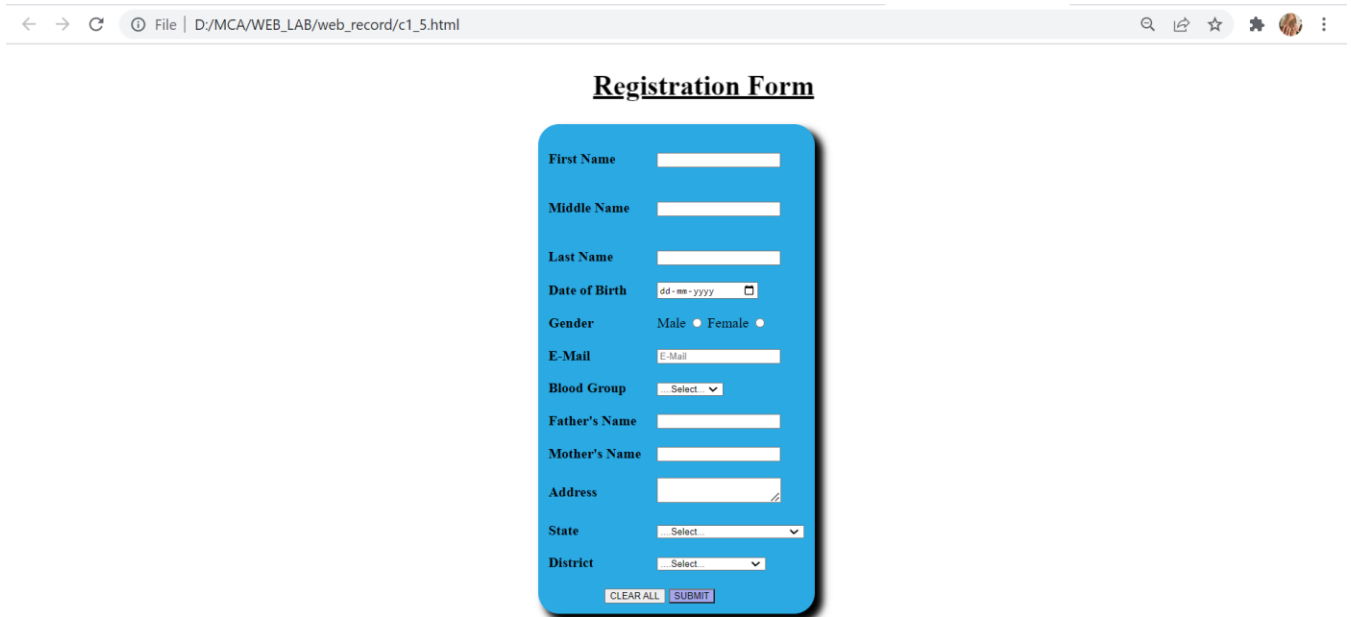
```

<tr>
  <th style="text-align:left;"> District </th>
  <th style="text-align:left;"> <select name=" ">
    <option value="....Select..."> ....Select...</option>
    <option value="nil"> Alappuzha </option>

    <option value="nil"> Ernakulam </option>
    <option value="nil"> Idukki </option>
    <option value="nil"> Kannur </option>
    <option value="nil"> Kasaragod </option>
    <option value="nil"> Kollam </option>
    <option value="nil"> Kottayam </option>
    <option value="nil"> Kozhikode </option>
    <option value="nil"> Malappuram </option>
    <option value="nil"> Palakkad </option>
    <option value="nil"> Pathanamthitta </option>
    <option value="nil"> Thiruvananthapuram </option>
    <option value="nil"> Thrissur </option>
    <option value="nil"> Wayanad </option>
  </select>
</th>
</tr>
<tr >
  <td colspan="2"><input type="reset" value="CLEAR ALL" style="margin-left: 80px;">
    <input type="submit" value="SUBMIT" style="background-color:#a4a7eb"></td>
</tr>
</form>
</TABLE>
</center>
</body>
</html>

```

RESULTS AND OBSERVATIONS:



The screenshot shows a web browser window with the address bar displaying 'File | D:/MCA/WEB_LAB/web_record/c1_5.html'. The page content features a blue registration form titled 'Registration Form'. The form contains the following fields and controls:

- First Name: Text input field
- Middle Name: Text input field
- Last Name: Text input field
- Date of Birth: Text input field with a date picker icon (dd-mm-yyyy)
- Gender: Radio buttons for Male and Female
- E-Mail: Text input field
- Blood Group: Dropdown menu with a 'Select' option
- Father's Name: Text input field
- Mother's Name: Text input field
- Address: Text input field with a text area icon
- State: Dropdown menu with a 'Select' option
- District: Dropdown menu with a 'Select' option
- Buttons: 'CLEAR ALL' and 'SUBMIT' buttons at the bottom

All the elements are placed inside the table. So each elements have equal spacing. Border style is added to the table to produce the dashed lines of buttons are created using `<button>` tag. Css is applied to the page for adding background color, textbox-width, textbox-height.

INFERENCE:

Registration forms are created easily using html and we can use table for structuring the elements. Css are useful for creating attractive registration forms.

JAVASCRIPT

PROGRAM NO: 6

DATE: 08-12-2021

AIM: Create a HTML JS page to explain the use of various predefined functions in a string to print a name and find the length of a string. Also display PI, rounded min and power value of integer using math object in java script.

THEORETICAL BACKGROUND USED:

The **length** property returns the length of a string

The Math.round() method round a number to nearest integer.

The Math.pow() method returns the value of x to the power of y(x^y).

CODE:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>String</title>
</head>
<script>
var name="Jerin Joy"
document.write("Name="+name)
document.write("<br>")
document.write("\nLength of string= "+name.length)
document.write("<br>")
document.write("\nName in uppercase: "+name.toUpperCase())
document.write("<br>")
document.write("\nName in lowercase: "+name.toLowerCase())
document.write("<br>")
var a="Hello"
var b="Good Morning..."
document.write("\n"+a.concat(" ",b))
document.write("<br>")
document.write("_____")
document.write("<br>")
document.write(a.charAt(1))
document.write("<br>")
document.write("Value of pi="+Math.PI)
document.write("<br>")
```

```
document.write("Rounded value of 44.56= ",Math.round("44.56"))  
document.write("<br>")
```

```
document.write("Minimum rounded value of 44.56= ",Math.floor("44.56"))  
document.write("<br>")  
document.write("Power Value(2,3)= "+Math.pow(2,3))
```

```
</script>
```

```
<body>
```

```
</body>
```

```
</html>
```


RESULTS AND OBSERVATION:

Name=Shirin Shahana
Length of string= 14
Name in uppercase: SHIRIN SHAHANA
Name in lowercase: shirin shahana
Hello Good Morning...

e

Value of pi=3.141592653589793
Rounded value of 44.56= 45
Minimum rounded value of 44.56= 44
Power Value(2,3)= 8

INFERENCE:

We can convert any string into lowercase or uppercase using predefined function.

Find length of string using length property.

Round any integer using round() function.

Calculating the power value using pow() function.

CALENDAR

PROGRAM NO: 7

DATE: 08-12-2021

AIM: Generate the calendar using JavaScript code

THEORETICAL BACKGROUND USED:

The getFullYear() method returns the year of a date as a four digit number:

The getMonth() method returns the month of a date as a number (0-11):

The getDate() method returns the day of a date as a number (1-31)

CODE:

```
<!DOCTYPE HTML>
<html>
<head>
  <style>
    table
    {
      border-collapse: collapse;
    }
    td,th
    {
      border: 1px solid black;
      padding: 3px;
      text-align: center;
    }
    th
    {
      font-weight: bold;
      background-color: #E6E6E6;
    }
  </style>
</head>
<body>
  <input id="month" type="text" name="mo" placeholder="Month in Number"></input>
  <input id="year" type="text" name="yr" placeholder="Year in Number"></input>
  <input type="button" name="calendar" onClick="print()" value="Calendar"><br><br>

  <div id="calendar"></div>

  <script>
```

```

function createCalendar(elem, year, month)
{
    let mon = month - 1; // the months in JS are 0..11, not 1..12
    let d = new Date(year, mon);

    let table =
'<table><tr><th>MONDAY</th><th>TUESDAY</th><th>WEDNESDAY</th><th>THURSDAY</th>
<th>FRIDAY</th><th>SATURDAY</th><th>SUNDAY</th></tr><tr>';

    // spaces for the first row
    // from Monday till the first day of the month
    // * * * 1 2 3 4
    for (let i = 0; i < getDay(d); i++)
    {
        table += '<td></td>';
    }

    // <td> with actual dates
    while (d.getMonth() == mon) {
        table += '<td>' + d.getDate() + '</td>';

        if (getDay(d) % 7 == 6) { // sunday, last day of week - newline
            table += '</tr><tr>';
        }

        d.setDate(d.getDate() + 1);
    }

    // add spaces after last days of month for the last row
    // 29 30 31 * * * *
    if (getDay(d) != 0) {
        for (let i = getDay(d); i < 7; i++) {
            table += '<td></td>';
        }
    }

    // close the table
    table += '</tr></table>';

    elem.innerHTML = table;
}

function getDay(date)
{ // get day number from 0 (monday) to 6 (sunday)

```

```
    let day = date.getDay();
    if (day == 0) day = 7; // make Sunday (0) the last day
    return day - 1;

}

function print()
{
    var mon=document.getElementById("month").value;
    console.log(mon);

    var yer=document.getElementById("year").value;
    console.log(yer);
    createCalendar(calendar, yer, mon);
}
</script>
</body>
</html>
```

RESULTS AND OBSERVATION:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

INFERENCE:

We can create calendar using predefined date methods in javascript and the calender is structured using table.

FORM VALIDATION

PROGRAM NO: 8

DATE: 13-12-2021

AIM: Create a HTML registration form and perform JavaScript Form Validation using the Sample Registration Form.

THEORETICAL BACKGROUND USED:

HTML form validation can be done by JavaScript. If a form field(fname) is empty, this function alerts a message, and returns false, to prevent the form from being submitted. JavaScript is often used to validate numeric input.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>form</title>
</head>
<body>
<h1><center>REGISTRATION FORM</center></h1>
<form name="form" onsubmit="check();return false">
<center><table border="1" style ="border-radius: 30px;" style="border-collapse: collapse;"
cellspacing="7px" cellpadding="8px" >
<tr>
<td>User Id:</td>
<td><input type="text" name="userid"></td>
</tr>
<tr>
<td>Password:</td>
<td><input type="password" name="password"></td>
</tr>
<tr>
<td>Name:</td>
<td><input type="text" name="fullname"></td>
</tr>
<tr>
<td>Email:</td>
<td><input type="text" name="email"></td>
</tr>
<tr>
<td>Sex:</td>
<td><input type="radio" name="s" value="male"> Male
```

```

        <input type="radio" name="s" value="female"> Female</td>
</tr>

<tr>
    <td>Language:</td>
    <td><input type="checkbox" id="l">English
        <input type="checkbox" name="lang" id="l">Non English</td>
</tr>
<tr>
    <td>Address:</td>
    <td><input type="text"></td>
</tr>
<tr>
    <td>Country:</td>
    <td><select name="country">
        <option value=" ">please select a country...</option>
        <option value="India">india</option>
        <option value="America">america</option>
        <option value="Canada">america</option>
    </select></td>
</tr>
<tr>
    <td>Zip Code:</td>
    <td><input type="text" name="zipcode"></td>
</tr>
<tr>
    <td>About:</td>
    <td><textarea rows="5"></textarea></td>
</tr>
<tr>
    <td></td>
    <td><input type="submit"></td>
</tr>
</table></center>
</form>
<script>
function check()
{
    var userid=document.form.userid.value;
    var pass=document.form.password.value;
    var name=document.form.fullname.value;
    var country=document.form.country.value;
    var zip=document.form.zipcode.value;
    var email=document.form.email.value;
    var gen=document.form.s.value;
    var pat = /^[A-Za-z]+$;/;

```

```

var e=/[a-z0-9._%+-]+@[a-z.-]+\.[a-z]{3,3}$/
if (userid == "")
{

    alert("Enter the UserId");
    document.form.userid.focus();
    return false;
}
else if(userid.length <5 || userid.length >12)
{
    alert("length of userid is between 5 to 12")
    document.form.userid.focus();
    return false
}
if (pass == "")
{
    alert("Enter the password");
    document.form.password.focus();
    return false;
}
else if(pass.length <7 || pass.length >12)
{
    alert("length of password is between 7 to 12")
    document.form.password.focus();
    return false
}
if (name == "")
{
    alert("Enter the name");
    document.form.fullname.focus();
    return false;
}
else if(name.match(pat))
{
}
else
{
    alert("Please enter Alphabets only...");
    return false;
}
if (country == "")
{
    alert("select the country");
    document.form.country.focus();
    return false;
}

```



```

    }
    if (zip == "")
    {
        alert("Enter the zipcode");
        document.form.zipcode.focus();
        return false;

    }
    else if(isNaN(zip))
    {
        alert("Enter number only");
        document.form.zipcode.focus();
        return false;
    }
    if (email == "")
    {
        alert("Enter your Email ID");
        document.form.email.focus();
        return false;
    }
    else if(email.match@)
    {
    }
    else
    {
        alert("Please enter Email ID correctly...");
        return false;
    }
    if (gen == "")
    {
        alert("select the gender");
    }
    if(document.getElementById("l").checked)
    {
        return true;
    }
    else
    {
        alert ("select the language");
        return false;
    }
}
</script>
</body>
</html>

```

RESULTS AND OBSERVATION:

REGISTRATION FORM

User Id:	<input type="text"/>
Password:	<input type="text"/>
Name:	<input type="text"/>
Email:	<input type="text"/>
Sex:	<input type="radio"/> Male <input type="radio"/> Female
Language:	<input type="checkbox"/> English <input type="checkbox"/> Non English
Address:	<input type="text"/>
Country:	<input type="text" value="please select a country..."/>
Zip Code:	<input type="text"/>
About:	<div><div></div><div></div></div>
	<input type="button" value="Submit"/>

INFERENCE:

Apart from ensuring that users provide necessary information, validation has to ensure that users provide information in the correct format. This applies to various cases such as email address, URL, dates, phone numbers and others. If the information is not in the correct format, users should be informed and correct format should be suggested.

CHANGING COLORS USING JAVASCRIPT

PROGRAM NO: 9

DATE:18-12-2021

AIM: Create HTML page to change the background colour for every click of buttons using JavaScript Event.

THEORETICAL BACKGROUND USED:

The change in the state of an object is known as an Event. In html, there are various events which represents that some activity is performed by the user or by the browser. When javascript code is included in HTML, it reacts over these events and allows the execution. This process of reacting over the events is called Event Handling.

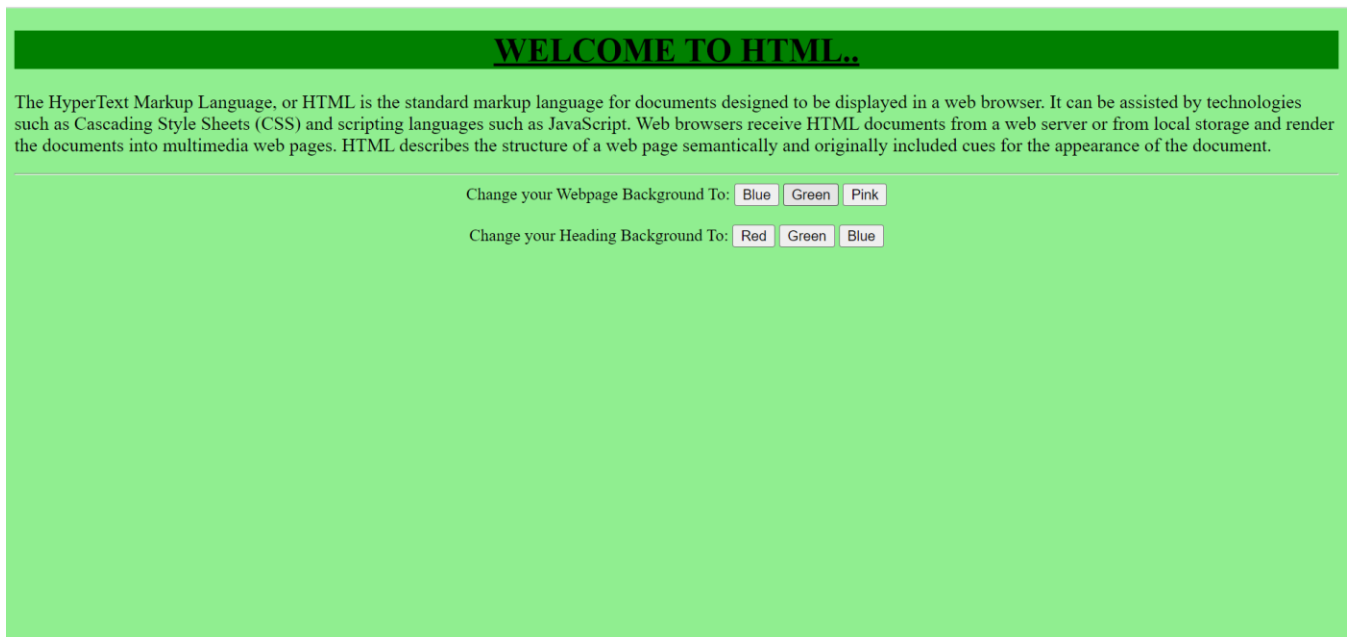
CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>background</title>
</head>
<body><center>
<h1 id="h"> <u> WELCOME TO HTML..</u></h1></center>
<p><font size="4">The HyperText Markup Language, or HTML is the standard markup
language for documents designed to be displayed in a web browser. It can be assisted by technologies
such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive
HTML documents from a web server or from local storage and render the documents into multimedia
web pages. HTML describes the structure of a web page semantically and originally included cues for
the appearance of the document.</font></p>
<hr><center>
Change your Webpage Background To:
<button onclick="changeback('lightblue')"> Blue </button>
<button onclick="changeback('lightgreen')"> Green </button>
<button onclick="changeback('lightpink')"> Pink </button>
<br>
<br>
Change your Heading Background To:

<button onclick="changehead('red')"> Red </button>
<button onclick="changehead('green')"> Green </button>
<button onclick="changehead('blue')"> Blue </button>
<script>
```

```
function changeback(color)
{
    document.body.style.background=color
}
function changehead(color)
{
    var c=document.getElementById("h");
    c.style.background=color
}
</script></center>
</body>
</html>
```

RESULTS AND OBSERVATION:



INFERENCE:

The onclick event occurs when the user clicks on an element and onclick event used here for changing the colors.

MOUSE EVENT

PROGRAM NO: 10

DATE:18/12/2021

AIM: Create a HTML page to display a new image and text when the mouse comes over the existing content (link reference) in the page using JavaScript Event Handling.

THEORETICAL BACKGROUND USED:

Events that occur when the mouse interacts with the HTML document belongs to the Mouse Event Object.

CODE:

```
<!DOCTYPE html>

<html>

<head>

    <title>mouseover</title>

</head>

<body>

<h2><a href="http:www.google.com" onmouseover="show()" onmouseout="hide()">Go to
    Google</a></h2>

<div id="t1"></div>

<div id="t2"></div>

<script>

function show(){

    document.getElementById("t1").innerHTML="<h1><center>WELCOME</center></h1>";

    var im='<center></center>'

    document.getElementById("t2").innerHTML=im;

}

function hide(){

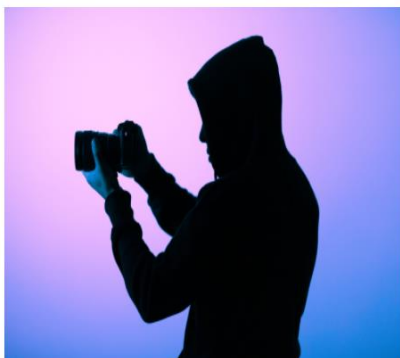
    document.getElementById("t1").innerHTML="";
```

```
document.getElementById("t2").innerHTML="";  
}  
</script>  
</body>  
</html>
```

RESULTS AND OBSERVATIONS:

[Go to Google](#)

WELCOME



INFERENCE:

The onmouseover event occurs when the mouse pointer is moved onto an element.

ONLINE EXAM

PROGRAM NO: 11

DATE: 23-12-2021

AIM: Create a HTML page to show online exam using JavaScript.

THEORETICAL BACKGROUND USED:

In HTML, a **radio button** is used to select one of many given choices. Radio buttons are shown in *radio groups* to show a set of related options, only one of which can be selected.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>quiz</title>
</head>
<body>
<script type="text/javascript">
function result()
{
    var score=0;
    if(document.getElementById('q1').checked)
        score=score+1;
    if(document.getElementById('q2').checked)
        score=score+1;
    if(document.getElementById('q3').checked)
        score=score+1;
    if(document.getElementById('q4').checked)
        score=score+1;
    if(document.getElementById('q5').checked)
        score=score+1;
    if(document.getElementById('q6').checked)
        score=score+1;
    if(document.getElementById('q7').checked)
        score=score+1;
    if(document.getElementById('q8').checked)
        score=score+1;
    if(document.getElementById('q9').checked)
        score=score+1;
    if(document.getElementById('q10').checked)
        score=score+1;
    if(document.getElementById('q11').checked)
        score=score+1;
```

```

        if(document.getElementById('q12').checked)
            score=score+1;

        if(document.getElementById('q13').checked)
            score=score+1;
        if(document.getElementById('q14').checked)
            score=score+1;
        if(document.getElementById('q15').checked)
            score=score+1;
        document.write("<h1 style='background-color:grey;color:white'>Your score:</h1>" +score);
    }
</script>
<h1><center>Multiple Choice Questions</center></h1>
<label style="font-weight:bold"><u>Question 1</u></label><br>
<label style="font-weight:bold">HTML stands for -</label><br><br>
    <input type="radio" name="q1" id="q1">HighText Machine Language<br>
    <input type="radio" name="q1" id="q1">HyperText and links Markup Language<br>
    <input type="radio" name="q1" id="q1">HyperText Markup Language<br>
<hr>
<label style="font-weight:bold"><u>Question 2</u></label><br>
<label style="font-weight:bold">The correct sequence of HTML tags for starting a webpage is -
</label><br><br>
    <input type="radio" name="q2" id="q2">HTML, Head, Title, Body.<br>
    <input type="radio" name="q2" id="q2">Head, Title, HTML, body<br>
    <input type="radio" name="q2" id="q2">HTML, Body, Title, Head<br>
<hr>
<label style="font-weight:bold"><u>Question 3</u></label><br>
<label style="font-weight:bold">Which of the following element is responsible for making the text bold
in HTML?</label><br><br>
    <input type="radio" name="q3" id="q3">< pre ><br>
    <input type="radio" name="q3" id="q3">< a ><br>
    <input type="radio" name="q3" id="q3">< b ><br>
<hr>
<label style="font-weight:bold"><u>Question 4</u></label><br>
<label style="font-weight:bold">Which of the following tag is used to insert a line-break in HTML?
</label><br><br>
    <input type="radio" name="q4" id="q4">< pre ><br>
    <input type="radio" name="q4" id="q4">< br ><br>
    <input type="radio" name="q4" id="q4">< a ><br>
<hr>
<label style="font-weight:bold"><u>Question 5</u></label><br>
<label style="font-weight:bold">How to create an ordered list (a list with the list items in numbers) in
HTML?</label><br><br>
    <input type="radio" name="q5" id="q5">< ul ><br>
    <input type="radio" name="q5" id="q5">< ol ><br>
    <input type="radio" name="q5" id="q5">< li ><br>

```

```
<hr>
<button type="submit" onclick="result()">Submit</button>
</body>
</html>
```

RESULTS AND OBSERVATIONS:

Multiple Choice Questions

Question 1

HTML stands for -

☐ HighText Machine Language

☐ HyperText and links Markup Language

☐ HyperText Markup Language

Question 2

The correct sequence of HTML tags for starting a webpage is -

☐ HTML, Head, Title, Body.

☐ Head, Title, HTML, body

☐ HTML, Body, Title, Head

Question 3

Which of the following element is responsible for making the text bold in HTML?

☐ <pre >

☐ <a >

☐

Question 4

Which of the following tag is used to insert a line-break in HTML?

☐ <pre >

☐

☐ <a >

Question 5

How to create an ordered list (a list with the list items in numbers) in HTML?

☐

☐

☐

Submit

INFERENCE:

We can create online exam using html and javascript. Radio buttons are used for options and if condition is checked for each question inside the javascript.

ODD OR EVEN

PROGRAM NO: 12

DATE: 03-01-2022

AIM: Write a program to check and print whether a given number is odd or even.

THEORETICAL BACKGROUND USED:

The GET method sends the encoded user information appended to the page request. The page and the encoded information are separated by the ? character.

CODE:

```
<html>
<head><b><h1><u>ODD OR EVEN</u></h1></b><br><br></head>
<body>
<form action="Oddeven.php" method="GET">
Please Enter Any Number: <input type="text" name="txt">
<input type="submit" name="submit" value="submit">
</form>
</body>
</html>
```

Oddeven.php

```
<?php
echo "<b><u>NUMBER IS ODD OR EVEN</u></b><br><br><br>";
$n=$_GET["txt"];
if($n%2==0)
echo "$n is Even .";
else
echo "$n is Odd.";
?>
```

RESULTS AND OBSERVATIONS:

ODD OR EVEN

Please enter number:

NUMBER IS ODD OR EVEN
4 is even

SUM OF DIGITS

PROGRAM NO: 13

DATE: 05-01-2022

AIM: Write a program to find the sum of digits of a given number.

THEORETICAL BACKGROUND USED:

A web form when the method is set to GET method, it submits the values through URL. So we can use one form to generate an URL with variables and data by taking inputs from the users. The form will send the data to a page within the site or outside the site by formatting a query Sstring.

CODE:

```
<html>
<head><center><b><h1><u>SUM OF DIGITS</u></h1><br><br></b></head>
<body>
<form action="sumdigit.php" method="GET">
    Please Enter Any Number: <input type="text" name="txt">
    <input type="submit" name="submit" value="submit">
</form><center>
</body>
</html>
```

sumdigit.php

```
<?php
echo "<b><center><u>SUM OF DIGITS </u></center></b><br><br><br> ";
$n=$_GET['txt'];
$s=0;
$a=$n;
while($n>0)
{
    $r=$n%10;
    $s=$s+$r;
    $n=$n/10;
}
echo "Sum of digits of the number $a is $s .";
?>
```

RESULTS AND OBSERVATIONS:

SUM OF DIGITS

Please enter number

SUM OF DIGITS A NUMBER IS

Sum of digits of the number 23 is 5

FIBONACCI

PROGRAM NO: 14

DATE: 11-01-2022

AIM: Write a program to print Fibonacci series up to a given number

THEORETICAL BACKGROUND USED:

The Fibonacci sequence is a series of numbers in which each number is the sum of the two that precede it. Starting at 0 and 1, the sequence looks like this: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, and so on forever.

CODE:

```
<html>
<head><b><h1><u><center>FIBONACCI SERIES</u></h1></b></center><br><br></head>
<body><center>
<form action="fibonacci.php" method="GET">
    Please Enter the Limit: <input type="text" name="txt">
    <input type="submit" name="submit" value="submit">
</form></center>
</body>
</html>
```

fibonacci.php

```
<?php
$n=$_GET['txt'];
echo "<b><center>FIBONACCI SERIES</center><br><br></b>";
$a=0;
$b=1;
echo "<center>$a </center>";
echo "<center>$b </center>";
for($i=0;$i<$n-2;$i++)
{
    $c=$a+$b;
    echo "<center>$c </center>";
    $a=$b;
    $b=$c;
}
?>
```


RESULTS AND OBSERVATIONS:

FIBONACCI SERIES

Please enter the limit:

FIBONACCI SERIES IS...0112

REGISTRATION

PROGRAM NO: 15

DATE: 20-01-2022

AIM: Write a script to generate a registration form

THEORETICAL BACKGROUND USED:

PHP scripts can be created using any basic text editor or HTML editing software tool. Each PHP file must be saved with a .php file extension in order to be recognized as a functioning PHP script. When the Apache server has the appropriate settings, PHP code can be recognized also in .html files.

CODE:

```
<html>
<head><center><b><h1><u>REGISTRATION FORM</u></h1></b></center></head>
<body>
<form action="registration.php" method="POST">
<center>
<table border="2" cellspacing="10" cellpadding="10">
<tr>
<td>FIRST NAME:</td>
<td><input type="text" name="txt1"></td>
</tr>
<tr>
<td>LAST NAME:</td>
<td><input type="text" name="txt2"></td>
</tr>
<tr>
<td>PASSWORD:</td>
<td><input type="password" name="pwd"></td>
</tr>
<tr>
<td>AGE:</td>
<td><input type="text" name="txt3"></td>
</tr>
<tr>
<td>ADDRESS:</td>
<td><input type="text" name="txt4"></td>
</tr>
<tr>
<td>GENDER:</td>
<td><input type="radio" name="rd" value="male">Male</td>
<td><input type="radio" name="rd" value="female">Female</td>
</tr>
```

```

<tr>

    <td>LANGUAGES KNOWN:</td>
    <td><input type="checkbox" name="chk[]" value="PHP">PHP</td>
    <td><input type="checkbox" name="chk[]" value="C">C</td>
    <td><input type="checkbox" name="chk[]" value="CPP">CPP</td>
    <td><input type="checkbox" name="chk[]" value="JAVA">JAVA</td>

</tr>
<center><td rowspan="2"><input type="submit" name="submit" value="submit"></td></center>
</table>
</center>
</form>
</body>
</html>

```

registration.php

```

<?php
echo "<b><u><font size=4><u>REGISTRATION FORM</u></font></u></b><br><br>";
$fname=$_POST['txt1'];
$lname=$_POST['txt2'];
$age=$_POST['txt3'];
$addr=$_POST['txt4'];
echo "NAME: $fname $lname<br>";
echo "AGE: $age<br>";
echo "ADDRESS: $addr<br>";
$r=$_POST['rd'];
if($r=="male")
    echo "GENDER: Male<br>";
else
    echo "GENDER: Female<br>";
echo "LANGUAGES KNOWN: ";
foreach($_POST['chk'] as $selected)
{
    echo $selected."<br>";
}
?>

```

RESULTS AND OBSERVATIONS:

REGISTRATION FORM

First name:	<input type="text" value="samuel"/>
Last name:	<input type="text" value="biju"/>
Password:	<input type="password" value="...."/>
Age:	<input type="text" value="24"/>
Address:	<input type="text" value="kunnumpuram"/>
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Languages known:	<input checked="" type="checkbox"/> PHP <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> CPP <input type="checkbox"/> JAVA
<input type="button" value="submit"/>	

REGISTRATION FORM

Name: samuel biju
Age: 24
Address:kunnumpuram
Gender:Male
Languages Known:
PHP
C
CPP

ELECTRICITY BILL

PROGRAM NO:16

DATE: 26-01-2022

AIM: Compose Electricity bill from user input based on a given tariff.

THEORETICAL BACKGROUND USED:

The isset() function checks whether a variable is set, which means that it has to be declared and is not NULL. This function returns true if the variable exists and is not NULL, otherwise it returns false.

CODE:

```
<?php
session_start();
$amount=0;
$usg="";
$dt="";
$temp="";
if (isset($_POST['view_bill']))
{
    $usg=$_POST['usage'];
    if($usg<=60)
    {
        $amount=$amount+$usg*3;
    }
    else if($usg>60 && $usg<=160)
    {
        $amount=60*3;
        $temp=$usg-60;
        $amount=$amount+$temp*4.40;
    }
    else if($usg>160 && $usg<=260)
    {
        $amount=60*3+100*4.40;
        $temp=$usg-160;
        $amount=$amount+$temp*5.20;
    }
    else
    {
        $amount=60*3+100*4.40+100*5.20;
        $temp=$usg-260;
        $amount=$amount+$temp*6.60;
    }
}
?>
```

```

<!DOCTYPE html>
<html>
<head>
<title>electricity</title>
<link rel="stylesheet" type="text/css" href="16.css">
</head>
<body>
<div class="header">
    <h2>BILL</h2>
</div>
<form method="post" action="">
<div class="input-group">
    <label>USAGE(unit)</label>
    <input type="text" name="usage" value="<?php echo $usg ?>" required>
</div>
<div class="input-group">
    <label>AMOUNT</label>
    <input type="text" name="amount" value="<?php echo $amount ?>">
</div>
<div class="input-group">
    <input type="submit" class="btn" name="view_bill" style="margin-left: 10PX;" value="View
Bill..">
</div>
</form>
</body>
</html>

```

16.css

```

*{
    margin: 0px;
    padding: 0px;
}
body
{
    font-size: 120%;
    background: #F8F8FF;
}
.header
{
    width: 30%;
    margin: 50px auto 0px;
    color: white;
    background: #5F9EA0;
    text-align: center;
}

```

```

        border: 1px solid #B0C4DE;

        border-bottom: none;
        border-radius: 10px 10px 0px 0px;
        padding: 20px;
    }
    form, .content
    {
        width: 30%;
        margin: 0px auto;
        padding: 20px;
        border: 1px solid #B0C4DE;
        background: white;
        border-radius: 0px 0px 10px 10px;
    }
    .input-group
    {
        margin: 10px 0px 10px 0px;
    }
    .input-group label
    {
        display: block;
        text-align: left;
        margin: 3px;
    }
    .input-group input
    {
        height: 30px;
        width: 93%;
        padding: 5px 10px;
        font-size: 16px;
        border-radius: 5px;
        border: 1px solid gray;
    }
    .btn
    {
        padding: 10px;
        font-size: 15px;
        color: white;
        background: #5F9EA0;
        border: none;
        border-radius: 5px;
    }
    .error
    {
        width: 92%;

```

```
margin: 0px auto;
padding: 10px;
border: 1px solid #a94442;
color: #a94442;
background: #f2dede;
border-radius: 5px;
text-align: left;
}
.success
{
    color: #3c763d;
    background: #dff0d8;
    border: 1px solid #3c763d;
    margin-bottom: 20px;
}
```


RESULTS AND OBSERVATIONS:

Bill

Usage(unit)
105

Amount
378

view bill

LOGIN FORM

PROGRAM NO: 17

DATE:10-12-2022

AIM: Create login form using database.

THEORETICAL BACKGROUND USED:

MySQL is a relational database management system based on the Structured Query Language, which is the popular language for accessing and managing the records in the database.

CODE:

17.1.php

```
<?php
ob_start();
session_start();
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>
<body>
<center>
<h1><b><u>LOGIN</u></b></h1>
<form id="form1" name="form1" method="get" action="">
<table width="200" border="1">
<tr>
<td>UserName</td>
<td><input name="txt1" type="text" id="txt1" /></td>
</tr>
<tr>
<td>Password</td>
<td><input name="txt2" type="password" id="txt2" /></td>
</tr>
<tr>
<td colspan="2" align="center"><input type="submit" name="Submit" value="Submit" /></td>
</tr>
</table>
</form>
</body>
```

```

<?php

if(isset($_GET['Submit']))
{
$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = "";
$db='test';
$t1=$_GET['txt1'];
$t2=$_GET['txt2'];
$con=new mysqli($dbhost,$dbuser,$dbpass,$db);
$query="select uname,password from login where uname='$t1' and password='$t2'";
$result=$con->query($query);
if($rw=$result->fetch_row())
{
    $_SESSION["username"]=$rw[0];
    header("location:17.2.php");
}
else
{
    echo "Invalid";
    include_once "17.1.php";
}
}
?>
</html>

```

17.2.php

```

<?php
session_start();
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>
<body>
<form id="form1" name="form1" method="get" action="">
</form>
</body>
<?php
$name=$_SESSION['username'];
echo "WELCOME ".$name;

```

?>. Click here to Logout.
</html>

17.3.php

```
<?php  
session_start();  
unset($_SESSION["username"]);  
include_once "17.1.php";  
?>
```

RESULTS AND OBSERVATIONS:

LOGIN

UserName	<input type="text" value="user1"/>
Password	<input type="password" value="*****"/>
<input type="button" value="Submit"/>	

WELCOME user1. Click here to [Logout](#).

STUDENT DETAILS

PROGRAM NO: 18

DATE: 20-02-2022

AIM: Write a php program to accept student details and store it into database, also display the details from database

THEORETICAL SUPPORT:

The INSERT INTO statement is used to insert new rows in a database table. In SQL, 'select' queries are used to retrieve one or more records from a table/database, and can also support various condition clauses depending on the needs of the user.

CODE:

18.1.php

```
<!DOCTYPE html>
<html>
<head>
<title>Student Input</title>
</head>
<style type="text/css">
body
{
    font-family: sans-serif;
}
.box
{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    width: 300px;
    height: 350px;
    background-color:#f3f3f3;
    border-radius: 15px;
    text-align: center;
}
input
{
    width: 200px;
    height: 40px;
    border: solid 1px black;
```

```

}

.insert
{
    width: 100px;
    height: 40px;
    border: none;
    background-color: red;
    color: white;
}
</style>
<body>
<center>
<div class="box">
<form action="18.1.php" method="post">
<h2>STUDENT DETAILS</h2>
    <input type="number" name="rollno" required autocomplete="off" placeholder="Enter your
Roll Number"><br><br>
    <input type="text" name="name" required autocomplete="off" placeholder="Enter your
Name"><br><br>
    <input type="number" name="mark" required autocomplete="off" placeholder="Enter your
Marks"><br><br>
    <input type="submit" name="submit" value="INSERT" class="insert">
</form>
</div>
</center>
</body>
</html>
<?php
$conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
if(!empty($_POST))
{
    $name=$_POST['name'];
    $rollno=$_POST['rollno'];
    $mark=$_POST['mark'];
    $q="insert into studentdetails(rollno,name,mark)values('$rollno','$name','$mark')";
if(mysqli_query($conn,$q)==true)
{
    header("location:18.2.php");
}
}
?>

```

18.2.php

```
<!DOCTYPE html>
<html>
<head>
<title></title>
</head>
<style type="text/css">
body
{
    font-family: sans-serif;
}
table
{
    background-color:#f3f3f3;
    width: 50%;
    text-align: center;
    border-radius: 15px;
}
th
{
    background-color: skyblue;
    color: white;
    border-radius: 5px;
    height: 30px;
}
td
{
    background-color: white;
    color: black;
    border-radius: 5px;
    height: 30px;
}
</style>
<body>
<center>
<h2>STUDENT DETAILS</h2>
<table align="center">
<tr>
    <th>ROLL NO.</th>
    <th>NAME</th>
    <th>MARKS</th>
</tr>
<?php
$conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
$select = "select * from studentdetails ORDER BY `rollno`";
$result =mysqli_query($conn,$select);
while($row = mysqli_fetch_assoc($result)){
?>
<tr>
    <td><?php echo $row["rollno"]; ?></td>
    <td><?php echo $row["name"]; ?></td>
```



```
<td><?php echo $row["mark"]; ?></td>
</tr>

<?php
}
?>
</table>
</center>
</body>
</html>
```

RESULTS AND OBSERVATIONS:

STUDENT DETAILS

2

saju

45

INSERT

STUDENT DETAILS

Roll Number	Name	Mark
2	saju	45