

**DEPARTMENT OF COMPUTER SCIENCE
RAJAGIRI COLLEGE OF SOCIAL SCIENCES
(Autonomous)**



MASTER OF COMPUTER APPLICATIONS

**WEB TECHNOLOGY LAB
MCA 206
LAB RECORD**

NAME : SUDARSHAN R PRABHU

SEMESTER : SECOND

REGISTER NO :



**DEPARTMENT OF COMPUTER SCIENCE
RAJAGIRI COLLEGE OF SOCIAL SCIENCES
(Autonomous)**

**MASTER OF COMPUTER APPLICATIONS
CERTIFICATE**

NAME : SUDARSHAN R PRABHU

SEMESTER : SECOND

REGISTER NO :

Certified that this is a bonafide record of work done by the student in the Software Laboratory of Rajagiri Department of Computer Science, Kalamassery.

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Place : Kalamassery

Date :

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1. HTML Example Webpage to show various HTML tags and implement CSS and JavaScript

```
<!DOCTYPE html>
<!--HTML,CSS,JavaScript Example-->
<html lang="en-US">
  <head>
    <style>
      body {background-color: powderblue;}
      h1 {color: blue;}
      p {color:seagreen;}
    </style>
    <script>
      function myFunction()
      {
        document.getElementById("para").innerHTML="Changed using JavaScript!";
      }
    </script>
  </head>
  <body>
    <h1>HTML Example</h1>
    
    <br>
    <a href="https://www.rajagiri.edu">Website</a>
    <p>An HTML Webpage to show various HTML Tags and and Introduction to CSS and
JavaScript</p>
    <hr>
    <h2 style="font-family:Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;">Heading
2 Tag</h2>
    <h1>Heading 1 Tag</h1>
    <p style="font-size: 160%; font-family: Cambria, Cochin, Georgia, Times, 'Times New
Roman', serif;" title="Tutor:Diljith">This is a new paragraph</p>
    <p>Some content inside paragraph <q>quotations start here</q></p>
    <p id="para">Original</p>
    <button type="button" onclick="myFunction()">Click to Change above Text using
JavaScript</button>
    <address>Created by Sudarshan R Prabhu<br> visit us at <br> www.rajagiri.edu</address>
  </body>
</html>
```

HTML Example



[Website](#)

An HTML Webpage to show various HTML Tags and and Introduction to CSS and JavaScript

Heading 2 Tag

Heading 1 Tag

This is a new paragraph

Some content inside paragraph “quotations start here”

Original

Click to Change above Text using JavaScript

Created by Sudarshan R Prabhu

visit us at

www.rajagiri.edu

HTML Example



[Website](#)

An HTML Webpage to show various HTML Tags and and Introduction to CSS and JavaScript

Heading 2 Tag

Heading 1 Tag

This is a new paragraph

Some content inside paragraph "quotations start here"

Changed using JavaScript!

[Click to Change above Text using JavaScript](#)

Created by Sudarshan R Prabhu

visit us at

www.rajagiri.edu

2. HTML Webpage to Implement Bookmark

```
<!DOCTYPE html>
<html>
<body>
<h1>THIS NOVEL CONTAINS MANY CHAPTERS</h1>
<p><a href="#C10">Jump to Chapter 10</a></p>
<h2>Chapter 1</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 2</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 3</h2>
<p>This chapter explains ba bla bla</p>
<h2 id="C4">Chapter 4</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 5</h2>
<p>This chapter explains ba bla bla</p>
<h2 id="c6">Chapter 6</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 7</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 8</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 9</h2>
<p>This chapter explains ba bla bla</p>
<h2 id="C10">Chapter 10</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 11</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 12</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 13</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 14</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 15</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 16</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 17</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 18</h2>
<p>This chapter explains ba bla bla</p>
```



```
<h2>Chapter 19</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 20</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 21</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 22</h2>
<p>This chapter explains ba bla bla</p>
<h2>Chapter 23</h2>
<p>This chapter explains ba bla bla</p>
</body>
</html>
```

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program2.html

THIS NOVEL CONTAINS MANY CHAPTERS

[Jump to Chapter 10](#)

Chapter 1

This chapter explains ba bla bla

Chapter 2

This chapter explains ba bla bla

Chapter 3

This chapter explains ba bla bla

Chapter 4

This chapter explains ba bla bla

Chapter 5

This chapter explains ba bla bla

Chapter 6

This chapter explains ba bla bla

Chapter 7

This chapter explains ba bla bla

Chapter 8

Chapter 10

This chapter explains ba bla bla

Chapter 11

This chapter explains ba bla bla

Chapter 12

This chapter explains ba bla bla

Chapter 13

This chapter explains ba bla bla

Chapter 14

This chapter explains ba bla bla

Chapter 15

This chapter explains ba bla bla

Chapter 16

This chapter explains ba bla bla

Chapter 17

This chapter explains ba bla bla

Chapter 18

This chanter explains ba bla bla

3. HTML Webpage to change CSS using JavaScript

```
<!DOCTYPE html>
<html>
<body>
<h1>Changing CSS using JavaScript</h1>
<h2 id="demo">JavaScript can change the style of an HTML element.</h2>
<button type="button" onclick="document.getElementById('demo').style.color='blue'">Change
Above Text Color to Blue</button>
</body>
</html>
```

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program3.html

Changing CSS using JavaScript

JavaScript can change the style of an HTML element.

Change Above Text Color to Blue

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program3.html

Changing CSS using JavaScript

JavaScript can change the style of an HTML element.

Change Above Text Color to Blue

4. HTML Webpage to create a Table

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      body{font-size: larger;}
      table,td{border: 1px solid black;}
    </style>
  </head>
  <body>
    <h1>Table in HTML(With Border)</h1>
    <table>
      <tr>
        <th>1st column</th>
        <th>2nd column</th>
      </tr>
      <tr>
        <td>Row 1, column 1</td>
        <td>Row 1, column 2</td>
      </tr>
      <tr>
        <td>Row 2, column 1</td>
        <td>Row 2, column 2</td>
      </tr>
    </table>
  </body>
</html>
```

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program4.html

Table in HTML(With Border)

1st column	2nd column
Row 1, column 1	Row 1, column 2
Row 2, column 1	Row 2, column 2

5. HTML Webpage to Print Current Date and Time using JavaScript

```
<!DOCTYPE html>
<html>
<body>
<p>Creating a new Date Object with current Date and Time using JavaScript</p>
<h1 id="demo"></h1>
<script>
const d = new Date();
document.getElementById("demo").innerHTML = d;
</script>
</body>
</html>
```

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program5DateJS.html

Creating a new Date Object with current Date and Time using JavaScript

Sun Mar 06 2022 22:09:19 GMT+0530 (India Standard Time)

6. HTML Webpage to Implement Countdown Timer

```
<!DOCTYPE html>
<html>
  <body>
    <h1 id="demo"></h1>

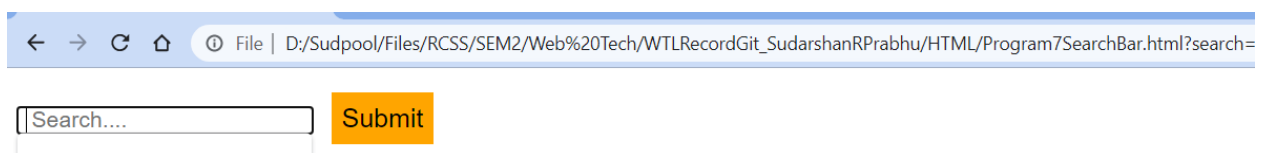
    <script>
      var countDownDate = new Date("Jan 5, 2024 15:37:25").getTime();
      var x = setInterval(function() {
        var now = new Date().getTime();
        var distance = countDownDate - now;
        var days = Math.floor(distance / (1000 * 60 * 60 * 24));
        var hours = Math.floor((distance % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60));
        var minutes = Math.floor((distance % (1000 * 60 * 60)) / (1000 * 60));
        var seconds = Math.floor((distance % (1000 * 60)) / 1000);
        document.getElementById("demo").innerHTML = days + "d " + hours + "h " + minutes + "m
" + seconds + "s ";
        if (distance < 0) {
          clearInterval(x);
          document.getElementById("demo").innerHTML = "EXPIRED";
        }
      }, 1000);
    </script>
  </body>
</html>
```

← → ↻ 🏠 ⓘ File | D:/Sudpool/Files/RCSS/SEM2/Web%20Tech/WTLRecordGit_SudarshanRPrabhu/HTML/Program6Timer.html

669d 16h 47m 56s

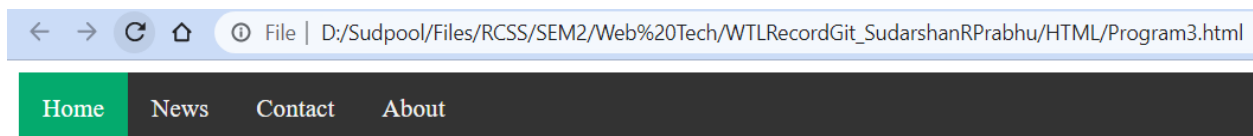
7. HTML Webpage to create a Search Bar

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      .searchbox {
        float: left;
      }
      input[type=text] {
        padding: 0 6px;
        margin-top: 8px;
        font-size: 17px;
        border: none;
      }
      .searchbox button {
        padding: 8px;
        margin-top: 10px;
        margin-left: 10px;
        background: orange;
        font-size: 20px;
        border: none;
        cursor: pointer;
      }
      .searchbox button:hover {
        background: blue;
      }
    </style>
  </head>
  <body>
    <div class="searchbox">
      <form>
        <input type="text" placeholder=" Search...." name="search">
        <button type="submit">Submit</button>
      </form>
    </div>
  </body>
</html>
```



8. HTML Webpage to Create a Navigation Bar using CSS

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      .topnav {
        background-color: #333;
        overflow: hidden;
      }
      .topnav a {
        float: left;
        color: #f2f2f2;
        text-align: center;
        padding: 14px 16px;
        text-decoration: none;
        font-size: 17px;
      }
      .topnav a:hover {
        background-color: #ddd;
        color: black;
      }
      .topnav a.active {
        background-color: #04AA6D;
        color: white;
      }
    </style>
  </head>
  <body>
    <div class="topnav">
      <a class="active" href="#home">Home</a>
      <a href="#news">News</a>
      <a href="#contact">Contact</a>
      <a href="#about">About</a>
    </div>
  </body>
</html>
```




```
<!DOCTYPE html>
<html>
  <head>
    <style>
      body {background-color:white;font-size: 150%;}
      h1 {font-family: cambria; color:seagreen;}
      h2 {font-family: consolas; color:dimgrey;}
      a {font-family: times new roman; font-size: medium;}
      a:link{color: green;background-color: transparent;text-decoration: none;}
      a:visited{color: blue;background-color: transparent;text-decoration: none;}
      a:active{color: red; background-color: transparent; text-decoration: none;}
      a:hover{color: white;background-color: transparent;text-decoration: underline;}
      form {background-color:whitesmoke; font-family: courier new;}
      input {height: 25px; width: 300px; font-size:medium; font-family: courier new;}
      footer {background-color:lightgreen; font-size: small; margin-top: 100px;}
      button {height: 25px; width: 300px; font-size:medium; font-family: courier new;}
      button:hover {background-color: seagreen; color: white;}


      .loginf {
        height: 375px;
        width: 500px;
      }
    </style>
    <script>
      function validateL()
      {
        var flag = 0;
        var userL = document.getElementById("stuidtxt");
        var pwd = document.getElementById("pswrd");
        document.getElementById("userError").style.display="none";
        document.getElementById("pwdError").style.display="none";
        if(userL.value.length == 0)
        {
          flag=1;
          document.getElementById("userError").style.display="inline";
        }
        if(pwd.value.length == 0)
        {
          flag=1;
          document.getElementById("pwdError").style.display="inline";

```

```

    }
    if(flag==0)
    {
        alert("Feature Not Available")
    }
}
</script>
</head>
<body>
<h1>
    
    Computer Science Department
</h1>
<h2>Student Login</h2>
<hr>
<form class="loginf" name="loginform">
    <br>
    <b>Login :</b><br><br>
    <input type="text" name="stuidtxt" id="stuidtxt" placeholder="Student ID"><label
id="userLerror" style="display: none; color: red; font-size: medium;">Cannot be
Blank!</label><br><br>
    <input type="password" name="pswr" id="pswr" placeholder="Password"><label
id="pwdLerror" style="display: none; color: red;font-size: medium;">Cannot be
Blank!</label><br><br>
    <a href="#fpass" onclick="notAvail()">Forgot Password?</a><br><br>
    <button type="button" name="login" id="login"
onclick="validateL()">Login</button><br><br>
    <a href="register.html">Not Yet Registered?</a>
</form>
<footer>
    <hr>
    <address>
        Rajagiri College of Social Sciences (Autonomous),<br>
        Rajagiri P.O, Kalamassery, Cochin - 683 104,<br>
        Kerala, India.<br>
        <a href="https://rajagiri.edu/">Click here</a> for Official Website.
    </address>
</footer>
</body>
</html>

```



Computer Science Department

Student Login

Login :

Cannot be Blank!

Cannot be Blank!

[Forgot Password?](#)

[Not Yet Registered?](#)

*Rajagiri College of Social Sciences (Autonomous),
Rajagiri P.O, Kalamassery, Cochin - 683 104,
Kerala, India.*

10. HTML Webpage to create a Registration Form and Validate using JavaScript

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      body {background-color:white;font-size: 150%;}
      h1 {font-family: cambria; color:seagreen;}
      h2 {font-family: consolas; color:dimgrey;}
      a {font-family: times new roman; font-size: medium;}
      a:link{color: green;background-color: transparent;text-decoration: none;}
      a:visited{color: blue;background-color: transparent;text-decoration: none;}
      a:active{color: red; background-color: transparent; text-decoration: none;}
      a:hover{color: white;background-color: transparent;text-decoration: underline;}
      form {background-color:whitesmoke; font-family: courier new;}
      input {height: 25px; width: 300px; font-size:medium; font-family: courier new;}
      footer {background-color:lightgreen; font-size: small; margin-top: 100px;}
      button {height: 25px; width: 300px; font-size:medium; font-family: courier new;}
      button:hover {background-color: seagreen; color: white;}

      .regisf {
        font-size: medium;
        height: 575px;
      }
      .radiob {
        font-size:medium;
        font-family: courier new;
        width:auto;
      }
    </style>
    <script>
      function validateR()
      {
        var flag = 0;
        var userR = document.getElementById("stuidtxtR");
        var pwdR = document.getElementById("pswrdr");
        var cpwdR = document.getElementById("cpswrdr");
        var fn = document.getElementById("fnametxt");
        var ln = document.getElementById("lnametxt");
        var em = document.getElementById("emailtxt");
        var db = document.getElementById("dob");
```

```

document.getElementById("stuiderror").style.display="none";
document.getElementById("pwdRerror").style.display="none";
document.getElementById("cpwdRerror").style.display="none";
document.getElementById("fnameerror").style.display="none";
document.getElementById("lnameerror").style.display="none";
document.getElementById("emailerror").style.display="none";
document.getElementById("pwdmatch").style.display="none";
document.getElementById("invmail").style.display="none";
document.getElementById("doberror").style.display="none";

if(userR.value.length == 0)
{
    flag=1;
    document.getElementById("stuiderror").style.display="inline";
}
if(pwdR.value.length == 0)
{
    flag=1;
    document.getElementById("pwdRerror").style.display="inline";
}
if(cpwdR.value.length == 0)
{
    flag=1;
    document.getElementById("cpwdRerror").style.display="inline";
}
if(fn.value.length == 0)
{
    flag=1;
    document.getElementById("fnameerror").style.display="inline";
}
if(ln.value.length == 0)
{
    flag=1;
    document.getElementById("lnameerror").style.display="inline";
}
if(em.value.length == 0)
{
    flag=1;
    document.getElementById("emailerror").style.display="inline";
}
if(pwdR.value != cpwdR.value)
{
    flag=1;
    document.getElementById("pwdmatch").style.display="inline";
}

```

```

    }
    if (!em.value.match(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/))
    {
        flag=1;
        document.getElementById("invmail").style.display="inline";
    }
    if(db.value.length == 0)
    {
        flag=1;
        document.getElementById("doberror").style.display="inline";
    }
    if(flag==0)
    {
        alert("Feature Not Available")
    }
}
</script>
</head>
<body>
<h1>
    
    Computer Science Department
</h1>
<h2>Registration</h2>
<hr>
<form class="regisf" name="regisform">
    <br>
    <a href="login.html">Already Registered?</a><br><br>
    <input type="text" id="stuidtxtR" name="stuidtxtR" placeholder="Student ID"><label
id="stuiderror" style="display: none; color: red;font-size: medium">Cannot be
Blank!</label><br><br>
    <input type="text" id="fnametxt" name="fnametxt" placeholder="First Name"><label
id="fnameerror" style="display: none;color: red;font-size: medium">Cannot be
Blank!</label><br><br>
    <input type="text" id="lnametxt" name="lnametxt" placeholder="Last Name"><label
id="lnameerror" style="display: none;color:red;font-size: medium">Cannot be
Blank!</label><br><br>
    <label for="dob">Date of Birth :</label><br><br>
    <input type="date" id="dob"><label id="doberror" style="display: none; color: red;font-
size: medium">Cannot be Blank!</label><br><br>
    <label>Gender : </label>
    <input type="radio" id="male" name="gender" value="male" class="radiob">
    <label for="male">Male</label>
    <input type="radio" id="female" name="gender" value="female" class="radiob">

```

```

<label for="female">Female</label>
<input type="radio" id="other" name="gender" value="other" class="radiob">
<label for="other">Other</label><label id="generror" style="display: none; color:
red;font-size: medium">Cannot be Blank!</label><br><br>
<label for="course">Course : </label><label id="courerror" style="display: none; color:
red;font-size: medium">Cannot be Blank!</label>
<select name="course" id="course">
<option disabled selected value>-</option>
<option value="mca">Master of Computer Applications(MCA)</option>
<option value="msccsda">MSc Computer Science(Data Analytics)</option>
</select><br><br>
<input type="text" id="emailtxt" name="emailtxt" placeholder="E-Mail"><label
id="emailerror" style="display: none; color: red;font-size: medium;">Cannot be
Blank!</label><label id="invmail" style="display: none; color: red;font-size: medium">Invalid
Email!</label><br><br>
<input type="password" id="pswrdr" name="pswrdr" placeholder="Password"><label
id="pwdError" style="display: none; color: red;font-size: medium">Cannot be
Blank!</label><label id="pwdmatch" style="display: none; color: red;font-size: medium">Do
Not Match!</label><br><br>
<input type="password" id="cpswrdr" name="cpswrdr" placeholder="Confirm
Password"><label id="cpwdError" style="display: none; color: red;font-size: medium">Cannot
be Blank!</label><br><br>
<button name="register" id="register" type="button"
onclick="validateR()">Register</button>
</form>
<footer>
<hr>
<address>
Rajagiri College of Social Sciences (Autonomous),<br>
Rajagiri P.O, Kalamassery, Cochin - 683 104,<br>
Kerala, India.<br>
<a href="https://rajagiri.edu/">Click here</a> for Official Website.
</address>
</footer>
</body>
</html>

```



RCSS
RAJAGIRI COLLEGE OF
SOCIAL SCIENCES
(AUTONOMOUS)

Computer Science Department

Registration

Already Registered?

Student ID Cannot be Blank!

First Name Cannot be Blank!

Last Name Cannot be Blank!

Date of Birth :

dd-----yyyy Cannot be Blank!

Gender : ☐ Male ☐ Female ☐ Other

Course :

E-Mail Cannot be Blank!Invalid Email!

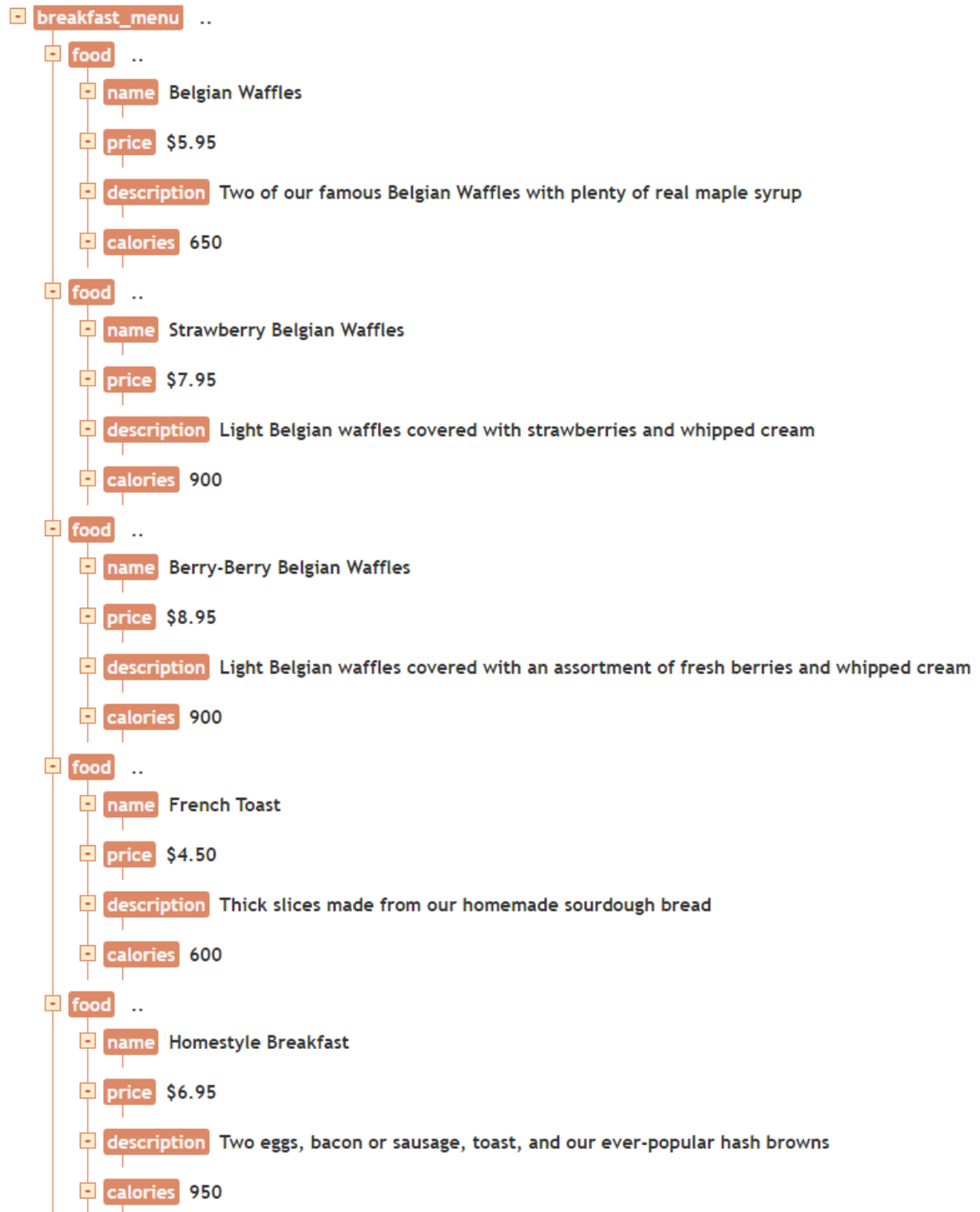
Password Cannot be Blank!

Confirm Password Cannot be Blank!

Register

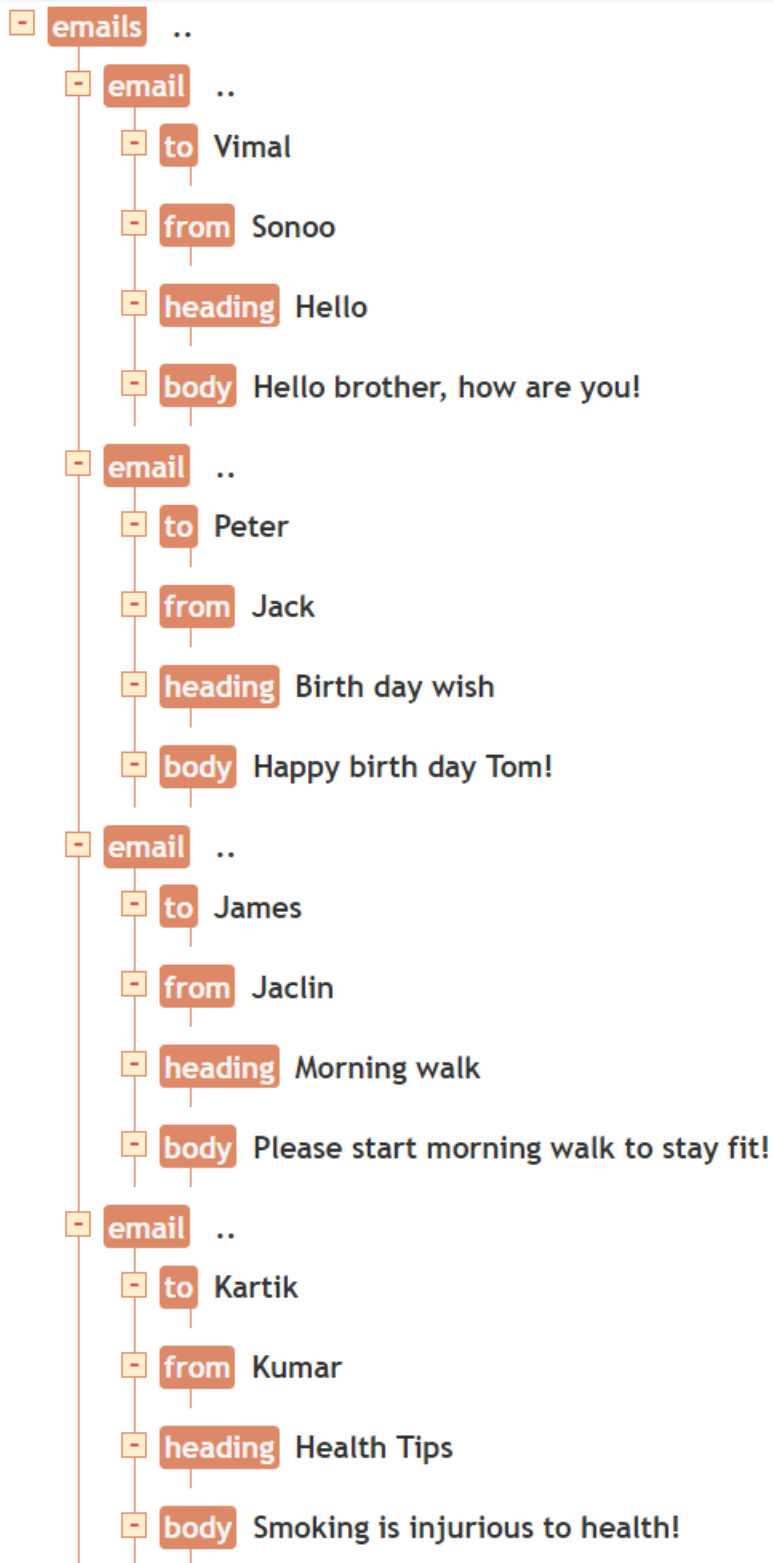
11. XML File for Hotel Menu

```
<breakfast_menu>
<food>
<name>Belgian Waffles</name>
<price>$5.95</price>
<description>Two of our famous Belgian Waffles with plenty of real maple syrup</description>
<calories>650</calories>
</food>
<food>
<name>Strawberry Belgian Waffles</name>
<price>$7.95</price>
<description>Light Belgian waffles covered with strawberries and whipped cream</description>
<calories>900</calories>
</food>
<food>
<name>Berry-Berry Belgian Waffles</name>
<price>$8.95</price>
<description>Light Belgian waffles covered with an assortment of fresh berries and whipped
cream</description>
<calories>900</calories>
</food>
<food>
<name>French Toast</name>
<price>$4.50</price>
<description>Thick slices made from our homemade sourdough bread</description>
<calories>600</calories>
</food>
<food>
<name>Homestyle Breakfast</name>
<price>$6.95</price>
<description>Two eggs, bacon or sausage, toast, and our ever-popular hash
browns</description>
<calories>950</calories>
</food>
</breakfast_menu>
```



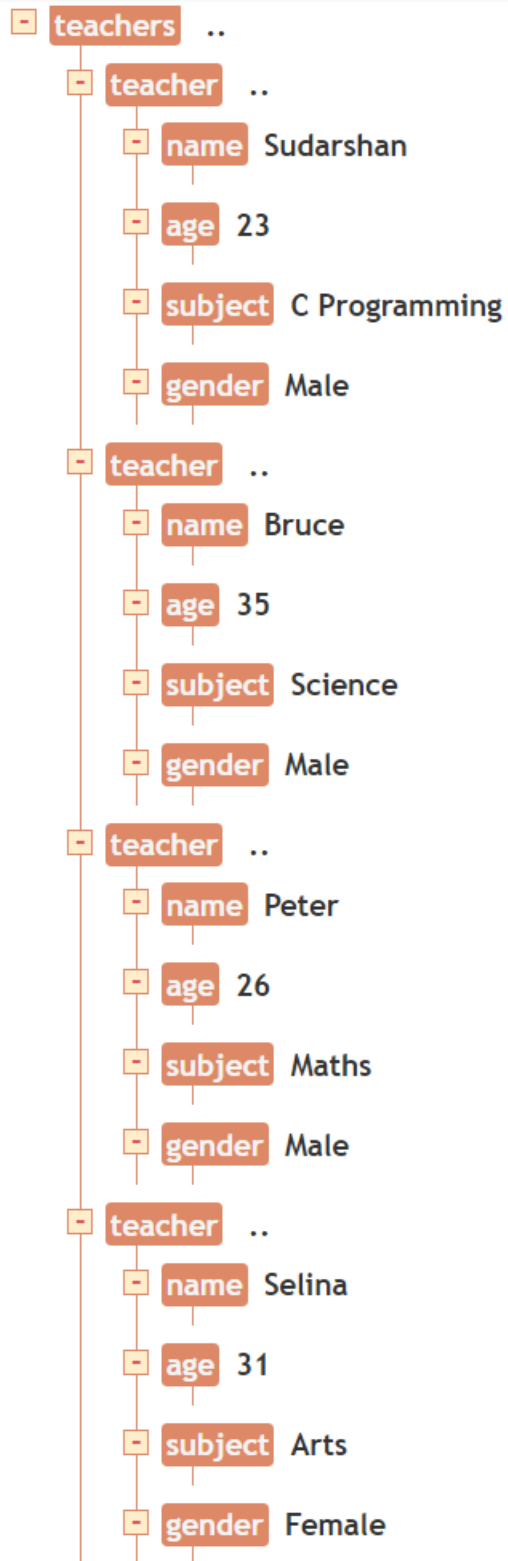
12. XML File for EMails

```
<?xml version="1.0" encoding="UTF-8"?>
<emails>
<email>
  <to>Vimal</to>
  <from>Sonoo</from>
  <heading>Hello</heading>
  <body>Hello brother, how are you!</body>
</email>
<email>
  <to>Peter</to>
  <from>Jack</from>
  <heading>Birth day wish</heading>
  <body>Happy birth day Tom!</body>
</email>
<email>
  <to>James</to>
  <from>Jaclin</from>
  <heading>Morning walk</heading>
  <body>Please start morning walk to stay fit!</body>
</email>
<email>
  <to>Kartik</to>
  <from>Kumar</from>
  <heading>Health Tips</heading>
  <body>Smoking is injurious to health!</body>
</email>
</emails>
```



13. XML File for Teacher Info

```
<?xml version = "1.0" encoding = "UTF-8" ?>
<teachers>
  <teacher>
    <name>Sudarshan</name>
    <age>23</age>
    <subject>C Programming</subject>
    <gender>Male</gender>
  </teacher>
  <teacher>
    <name>Bruce</name>
    <age>35</age>
    <subject>Science</subject>
    <gender>Male</gender>
  </teacher>
  <teacher>
    <name>Peter</name>
    <age>26</age>
    <subject>Maths</subject>
    <gender>Male</gender>
  </teacher>
  <teacher>
    <name>Selina</name>
    <age>31</age>
    <subject>Arts</subject>
    <gender>Female</gender>
  </teacher>
</teachers>
```



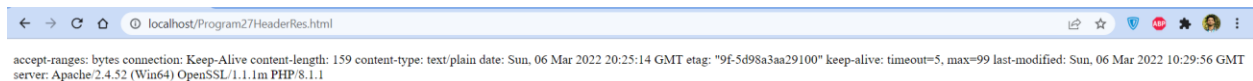
14. HTML Webpage to Retrieve All Header Information of a File using AJAX

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

<p id="demo"></p>

<script>
const xhttp = new XMLHttpRequest();
xhttp.onload = function() {
  document.getElementById("demo").innerHTML =
  this.getAllResponseHeaders();
}
xhttp.open("GET", "ajax_info.txt");
xhttp.send();
</script>

</body>
</html>
```



accept-ranges: bytes connection: Keep-Alive content-length: 159 content-type: text/plain date: Sun, 06 Mar 2022 20:25:14 GMT etag: "9f-5d98a3aa29100" keep-alive: timeout=5, max=99 last-modified: Sun, 06 Mar 2022 10:29:56 GMT server: Apache/2.4.52 (Win64) OpenSSL/1.1.1m PHP/8.1.1

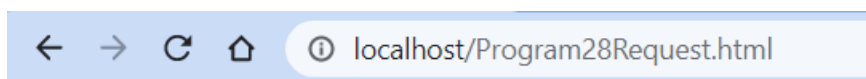
15. HTML Webpage to Retrieve Data from a Text File using AJAX

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

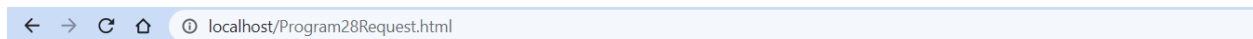
<div id="demo">
<button type="button" onclick="loadDoc()">Change Content</button>
</div>

<script>
function loadDoc() {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML =
        this.responseText;
    }
  };
  xhttp.open("GET", "ajax_info.txt", true);
  xhttp.send();
}
</script>

</body>
</html>
```



Change Content



AJAX is not a programming language. AJAX is a technique for accessing web servers from a web page. AJAX stands for Asynchronous JavaScript And XML.

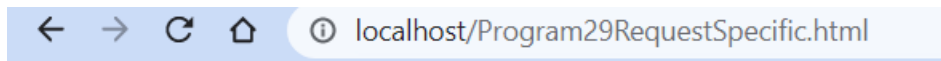
16. HTML Webpage to Retrieve Specific Header Info of a File using AJAX

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

<p>Last modified: <span id="demo"></span></p>

<script>
const xhttp=new XMLHttpRequest();
xhttp.onload = function() {
  document.getElementById("demo").innerHTML =
  this.getResponseHeader("Last-Modified");
}
xhttp.open("GET", "ajax_info.txt");
xhttp.send();
</script>

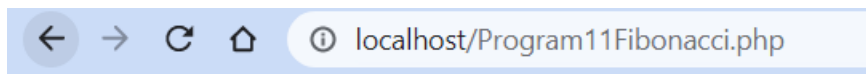
</body>
</html>
```



Last modified: Sun, 06 Mar 2022 10:29:56 GMT

17. PHP Program to print Fibonacci Series

```
<?php
$num = 0;
$n1 = 0;
$n2 = 1;
echo "<h3>Fibonacci Series </h3>";
echo "\n";
echo $n1.' '.$n2.' ';
while ($num < 10 )
{
    $n3 = $n2 + $n1;
    echo $n3.' ';
    $n1 = $n2;
    $n2 = $n3;
    $num = $num + 1;
}
?>
```

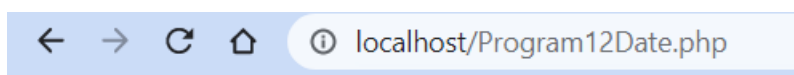


Fibonacci Series

0 1 1 2 3 5 8 13 21 34 55 89

18. PHP Program to print Current Date and Time

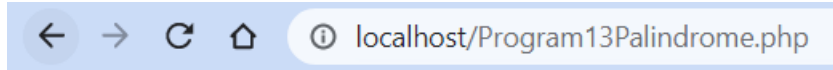
```
<?php  
  
echo "The date and time is :";  
  
$myDate = date("d-m-y h:i:s");  
  
echo $myDate;  
  
?>
```



The date and time is :06-03-22 08:17:03

19. PHP Program to Check if Palindrome

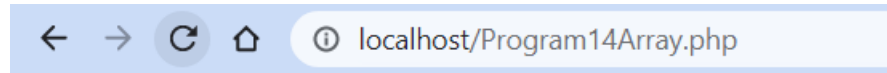
```
<?php
function palindrome($n){
    $number = $n;
    $sum = 0;
    while(floor($number)) {
        $rem = $number % 10;
        $sum = $sum * 10 + $rem;
        $number = $number/10;
    }
    return $sum;
}
$input = 1235321;
$num = palindrome($input);
if($input==$num){
    echo "$input is a Palindrome number";
} else {
    echo "$input is not a Palindrome";
}
?>
```



1235321 is a Palindrome number

20. PHP Array

```
<?php
$skins=array("Prime"=>"1775","GlitchPop"=>"2045","ElderFlame"=>"2425","Spectrum"=>"2675");
foreach($skins as $k => $v) {
echo "Key: ".$k." Value: ".$v."<br/>";
}
```



Key: Prime Value: 1775
Key: GlitchPop Value: 2045
Key: ElderFlame Value: 2425
Key: Spectrum Value: 2675

?>

21. Calculator using PHP

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

<?php
ini_set('display_errors',0);

if( isset( $_REQUEST['calculate'] ))
{
$operator=$_REQUEST['operator'];
$n1 = $_REQUEST['first_value'];
$n2 = $_REQUEST['second_value'];

if($operator=="+")
{
$res= $n1+$n2;
}
if($operator=="-")
{
$res= $n1-$n2;
}
if($operator=="*")
{
$res = $n1*$n2;
}
if($operator=="/")
{
$res= $n1/$n2;
}

if($_REQUEST['first_value']==NULL || $_REQUEST['second_value']==NULL)
{
echo "<script language=javascript> alert(\"Please Enter Correct values.\");</script>";
}
}
?>

<form>
<table style="border:groove #00FF99">

<tr>
```

```

<td style="background-color:turquoise; color:black; font-family:'Times New Roman'">Enter
Number</td>
<td colspan="1">
<input name="first_value" type="text" style="color:red"/></td>
</tr>

<tr>
<td style="color:red; font-family:'Times New Roman'">Select Operator</td>
<td>
<select name="operator" style="width: 63px">
<option>+</option>
<option>-</option>
<option>*</option>
<option>/</option>
</select></td>
</tr>

<tr>
<td style="background-color:turquoise; color:black; font-family:'Times New Roman'">Enter
Number</td>
<td class="auto-style5">
<input name="second_value" type="text" style="color:red"/></td>
</tr>

<tr>
<td></td>
<td><input type="submit" name="calculate" value="Calculate" style="color:wheat;background-
color:rosybrown" /></td>
</tr>

<tr>
<td style="background-color:turquoise;color:black">Output = </td>
<td style="color:darkblue"><?php echo $res;?></td>
</tr>

</table>
</form>

</body>
</html>

```

← → ↻ 🏠 ⓘ localhost/Program15Calculator.php

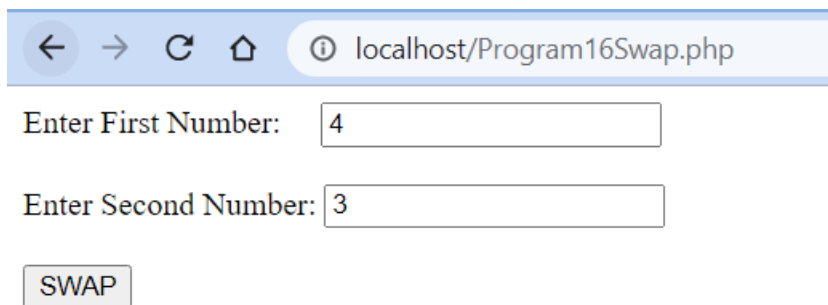
Enter Number	<input type="text" value="4"/>
Select Operator	<input type="text" value="*"/>
Enter Number	<input type="text" value="3"/>
	<input type="button" value="Calculate"/>
Output =	

← → ↻ 🏠 ⓘ localhost/Program15Calculator.php?first_value=4&operator=*&second_value=3&calculate=Calculate

Enter Number	<input type="text"/>
Select Operator	<input type="text" value="+"/>
Enter Number	<input type="text"/>
	<input type="button" value="Calculate"/>
Output =	12

22. PHP Program to Swap Values in TextBoxes

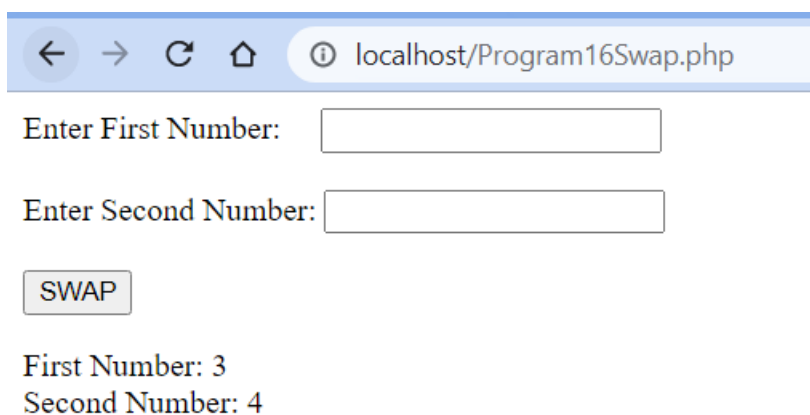
```
<html>
<body>
<form method="post">
Enter First Number: &nbsp; &nbsp; &nbsp;
<input type="number" name="number1" /><br><br>
Enter Second Number:
<input type="number" name="number2" /><br><br>
<input type="submit" name="submit" value="SWAP">
</form>
<?php
    if(isset($_POST['submit']))
    {
        $number1 = $_POST['number1'];
        $number2 = $_POST['number2'];
        echo "First Number: ".$number2;
        echo "<br>";
        echo "Second Number: ".$number1;
    }
?>
</body>
</html>
```



← → ↻ 🏠 ⓘ localhost/Program16Swap.php

Enter First Number:

Enter Second Number:



← → ↻ 🏠 ⓘ localhost/Program16Swap.php

Enter First Number:

Enter Second Number:

First Number: 3
Second Number: 4

23. PHP program to print the Multiplication Table of a Given Number

```
<!DOCTYPE html>
<html>
<head>
<title>Table of a Number</title>
</head>
<body>
<table>
<form name="table" method="post">
<tr>
<td>Enter Number :</td>
<td><input type="text" name="num" required></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="submit" name="submit" /></td>
</tr>
</form>
</table>
</body>
</html>

<?php
if(isset($_POST['submit']))
{
$num=$_POST['num'];
define('NUM',$num);
for($i=1 ; $i<=10 ; $i++)
{
echo $i*NUM;
echo "<br>";
}
}
?>
```

← → ↻ 🏠 ⓘ localhost/Program17MulTable.php

Enter Number :

submit

← → ↻ 🏠 ⓘ localhost/Program17MulTable.php

Enter Number :

submit

7
14
21
28
35
42
49
56
63
70

24. PHP Program to Check if a Given Year is a Leap Year

```
<html>
<body>
  <form method="post">
    Enter the Year: <input type="text" name="year">
    <input type="submit" name="submit" value="Submit">
  </form>
</body>
</html>
<?php
  if($_POST)
  {
    //get the year
    $year = $_POST['year'];

    if(!is_numeric($year))
    {
      echo "Strings not allowed, Input should be a number";
      return;
    }

    if( (0 == $year % 4) and (0 != $year % 100) or (0 == $year % 400) )
    {
      echo "$year is a Leap Year";
    }
    else
    {
      echo "$year is not a Leap Year";
    }
  }
?>
```

← → ↻ 🏠 ⓘ localhost/Program18LeapYear.php

Enter the Year:

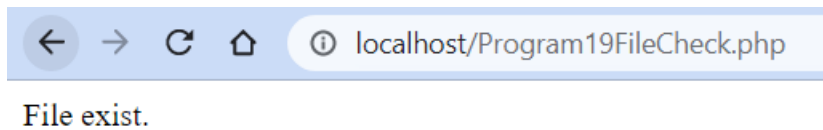
← → ↻ 🏠 ⓘ localhost/Program18LeapYear.php

Enter the Year:

2000 is a Leap Year

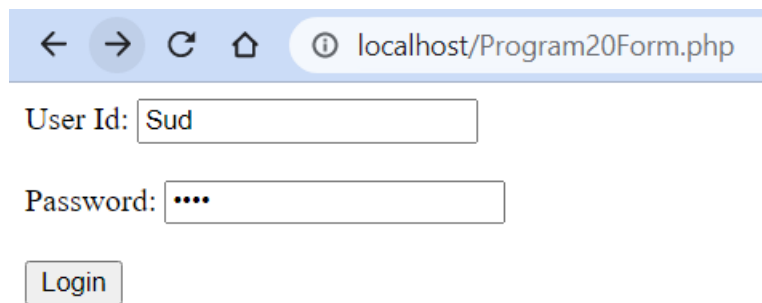
25. PHP Program to check if a File Exists

```
<?php
$filename = "Program12Date.php";
if (file_exists($filename)) {
    echo "File exist.";
} else {
    echo "File does not exist.";
}
?>
```



26. PHP Program to Implement Login Session

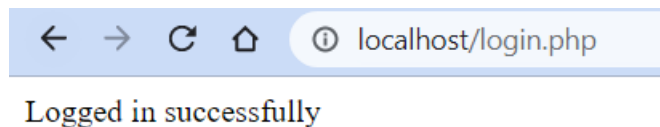
```
<!DOCTYPE html>
<html>
<body>
<form method="post" action="login.php">
User Id: <input type="text" name="userid"><br><br>
Password: <input type="password" name="password"><br><br>
<input type="submit" value="Login">
</form>
</body>
</html>
```



← → ↻ 🏠 ⓘ localhost/Program20Form.php

User Id:

Password:



← → ↻ 🏠 ⓘ localhost/login.php

Logged in successfully

27. JSON File for Hotel Menu

```
{
  "breakfast_menu": {
    "food": [
      {
        "name": "Belgian Waffles",
        "price": "$5.95",
        "description": "Two of our famous Belgian Waffles with plenty of real maple syrup",
        "calories": 650
      },
      {
        "name": "Strawberry Belgian Waffles",
        "price": "$7.95",
        "description": "Light Belgian waffles covered with strawberries and whipped cream",
        "calories": 900
      },
      {
        "name": "Berry-Berry Belgian Waffles",
        "price": "$8.95",
        "description": "Light Belgian waffles covered with an assortment of fresh berries and
whipped cream",
        "calories": 900
      },
      {
        "name": "French Toast",
        "price": "$4.50",
        "description": "Thick slices made from our homemade sourdough bread",
        "calories": 600
      },
      {
        "name": "Homestyle Breakfast",
        "price": "$6.95",
        "description": "Two eggs, bacon or sausage, toast, and our ever-popular hash browns",
        "calories": 950
      }
    ]
  }
}
```



```
▼ object {1}
  ▼ breakfast_menu {1}
    ▼ food [5]
      ▼ 0 {4}
        name : Belgian Waffles
        price : $5.95
        description : Two of our famous Belgian Waffles with plenty of real maple syrup
        calories : 650
      ▼ 1 {4}
        name : Strawberry Belgian Waffles
        price : $7.95
        description : Light Belgian waffles covered with strawberries and whipped cream
        calories : 900
      ▼ 2 {4}
        name : Berry-Berry Belgian Waffles
        price : $8.95
        description : Light Belgian waffles covered with an assortment of fresh berries and whipped cream
        calories : 900
      ▼ 3 {4}
        name : French Toast
        price : $4.50
        description : Thick slices made from our homemade sourdough bread
        calories : 600
      ▼ 4 {4}
        name : Homestyle Breakfast
        price : $6.95
        description : Two eggs, bacon or sausage, toast, and our ever-popular hash browns
        calories : 950
```

28. JSON File for EMails

```
{
  "emails": {
    "email": [
      {
        "to": "Vimal",
        "from": "Sonoo",
        "heading": "Hello",
        "body": "Hello brother, how are you!"
      },
      {
        "to": "Peter",
        "from": "Jack",
        "heading": "Birth day wish",
        "body": "Happy birth day Tom!"
      },
      {
        "to": "James",
        "from": "Jaclin",
        "heading": "Morning walk",
        "body": "Please start morning walk to stay fit!"
      },
      {
        "to": "Kartik",
        "from": "Kumar",
        "heading": "Health Tips",
        "body": "Smoking is injurious to health!"
      }
    ]
  }
}
```

```
▼ object {1}
  ▼ emails {1}
    ▼ email [4]
      ▼ 0 {4}
        to : Vimal
        from : Sonoo
        heading : Hello
        body : Hello brother, how are you!
      ▼ 1 {4}
        to : Peter
        from : Jack
        heading : Birth day wish
        body : Happy birth day Tom!
      ▼ 2 {4}
        to : James
        from : Jaclin
        heading : Morning walk
        body : Please start morning walk to stay fit!
      ▼ 3 {4}
        to : Kartik
        from : Kumar
        heading : Health Tips
        body : Smoking is injurious to health!
```

29. JSON File For Teachers

```
{
  "teachers": {
    "teacher": [
      {
        "name": "Sudarshan",
        "age": 23,
        "subject": "C Programming",
        "gender": "Male"
      },
      {
        "name": "Bruce",
        "age": 35,
        "subject": "Science",
        "gender": "Male"
      },
      {
        "name": "Peter",
        "age": 26,
        "subject": "Maths",
        "gender": "Male"
      },
      {
        "name": "Selina",
        "age": 31,
        "subject": "Arts",
        "gender": "Female"
      }
    ]
  }
}
```

```
▼ object {1}
  ▼ teachers {1}
    ▼ teacher [4]
      ▼ 0 {4}
        name : Sudarshan
        age : 23
        subject : C Programming
        gender : Male
      ▼ 1 {4}
        name : Bruce
        age : 35
        subject : Science
        gender : Male
      ▼ 2 {4}
        name : Peter
        age : 26
        subject : Maths
        gender : Male
      ▼ 3 {4}
        name : Selina
        age : 31
        subject : Arts
        gender : Female
```