

## 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](http://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](http://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>

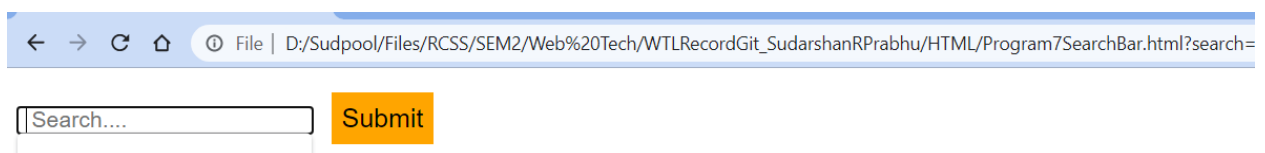
    <script>
      var countDownDate = new Date("Jan 5, 2024 15:37:25").getTime();
      var x = setInterval(function() {
        var now = new Date().getTime();
        var distance = countDownDate - now;
        var days = Math.floor(distance / (1000 * 60 * 60 * 24));
        var hours = Math.floor((distance % (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**

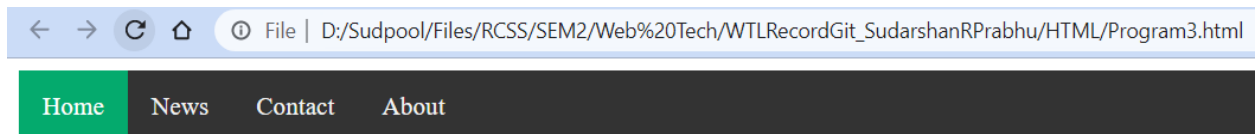
## 7. HTML Webpage to create a Search Bar

```
<!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("userLError").style.display="none";
        document.getElementById("pwdLError").style.display="none";
        if(userL.value.length == 0)
        {
          flag=1;
          document.getElementById("userLError").style.display="inline";
        }
        if(pwd.value.length == 0)
        {
          flag=1;
          document.getElementById("pwdLError").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="userError" 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="pwdError" 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="coursererror" 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!

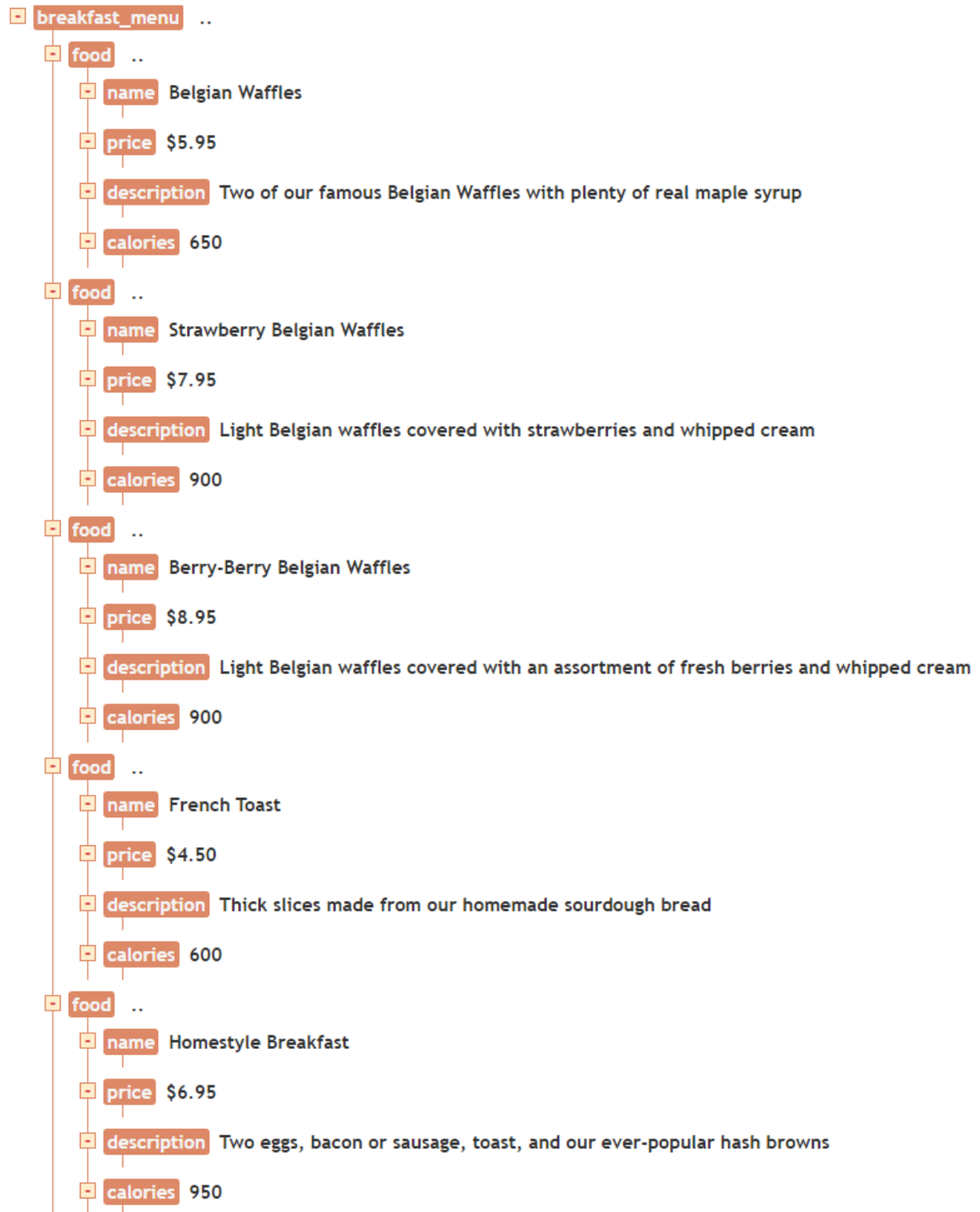
Password  Cannot be Blank!

Confirm Password  Cannot be Blank!

Register

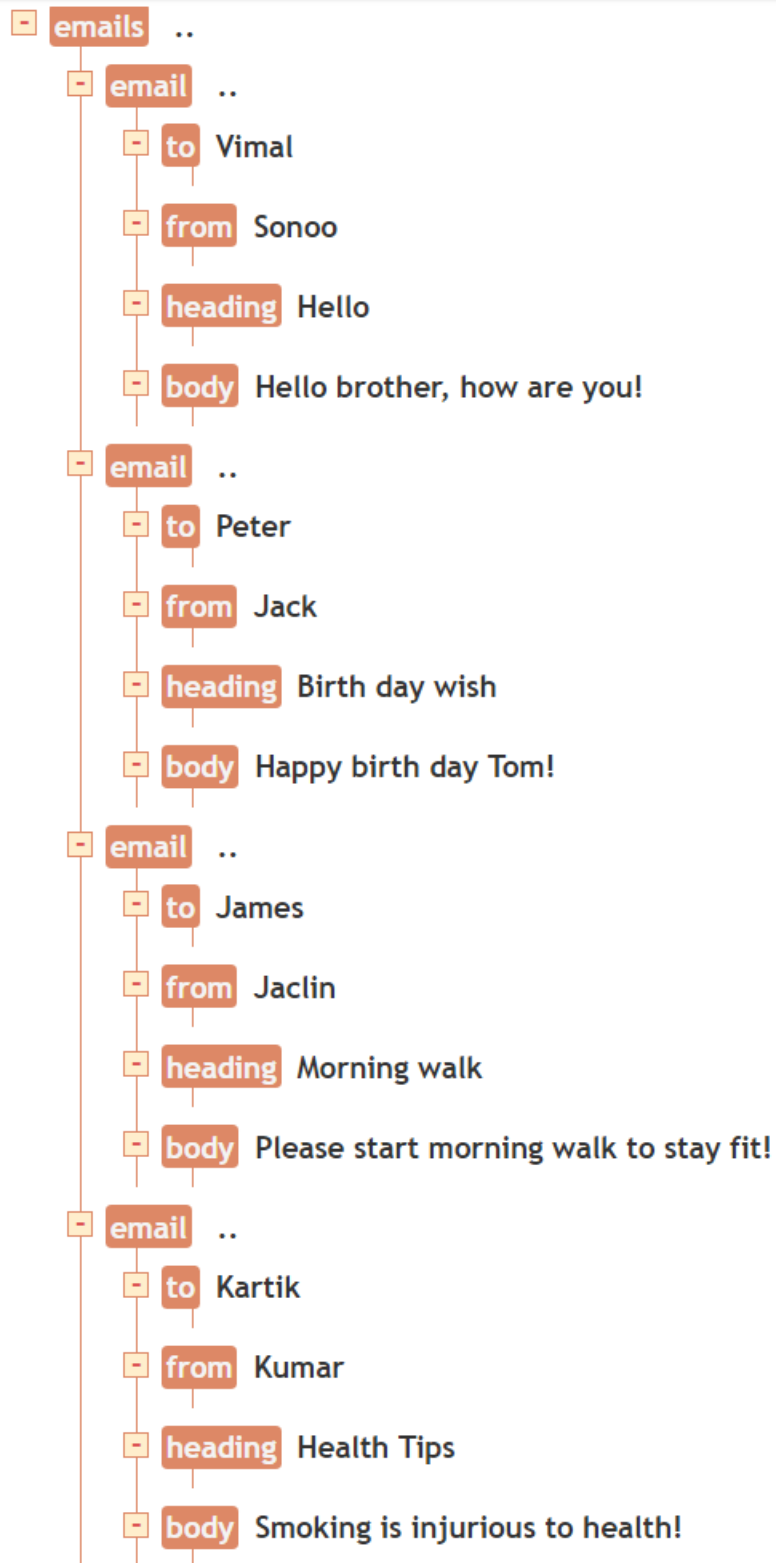
## 11. XML File for Hotel Menu

```
<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

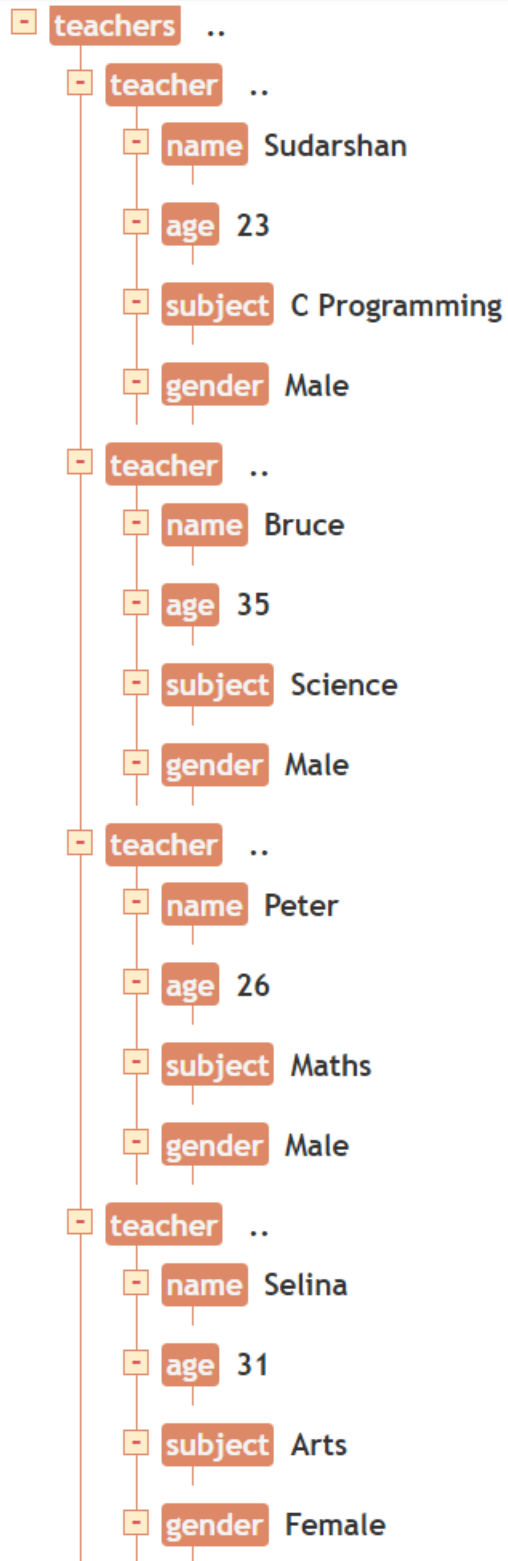
```
<?xml version="1.0" encoding="UTF-8"?>
<emails>
<email>
  <to>Vimal</to>
  <from>Sonoo</from>
  <heading>Hello</heading>
  <body>Hello brother, how are you!</body>
</email>
<email>
  <to>Peter</to>
  <from>Jack</from>
  <heading>Birth day wish</heading>
  <body>Happy birth day Tom!</body>
</email>
<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>
```



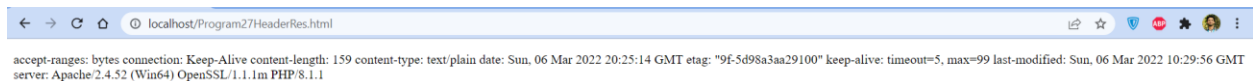
## 14. HTML Webpage to Retrieve All Header Information of a File using AJAX

```
<!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

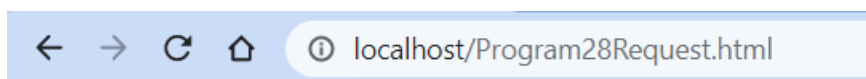
## 15. HTML Webpage to Retrieve Data from a Text File using AJAX

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

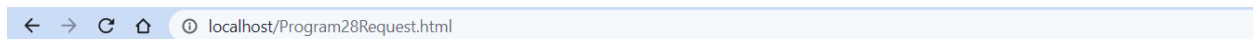
<div id="demo">
<button type="button" onclick="loadDoc()">Change Content</button>
</div>

<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.

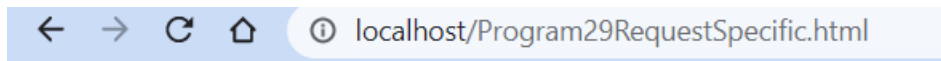
## 16. HTML Webpage to Retrieve Specific Header Info of a File using AJAX

```
<!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>

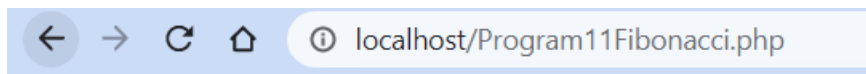
</body>
</html>
```



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;
}
?>
```

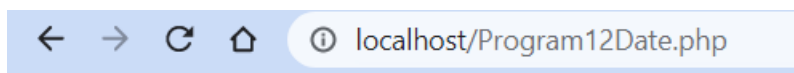


### Fibonacci Series

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

## 18. PHP Program to print Current Date and Time

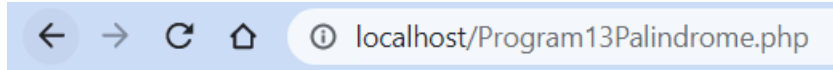
```
<?php  
  
echo "The date and time is :";  
  
$myDate = date("d-m-y h:i:s");  
  
echo $myDate;  
  
?>
```



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";
}
?>
```

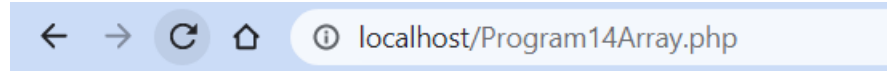


1235321 is a Palindrome number



## 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

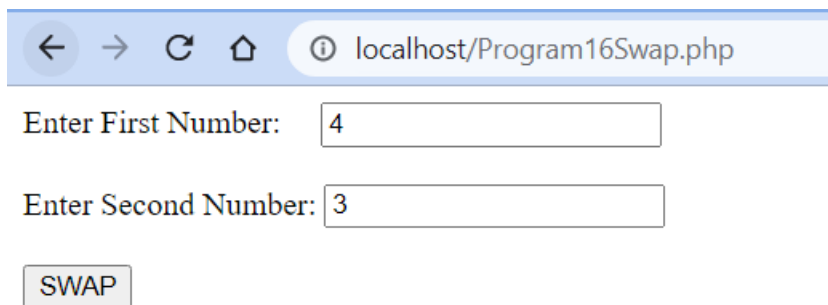
Enter Number	<input type="text" value="4"/>
Select Operator	<input type="text" value="*"/>
Enter Number	<input type="text" value="3"/>
	<input type="button" value="Calculate"/>
Output =	

← → ↻ 🏠 ⓘ 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

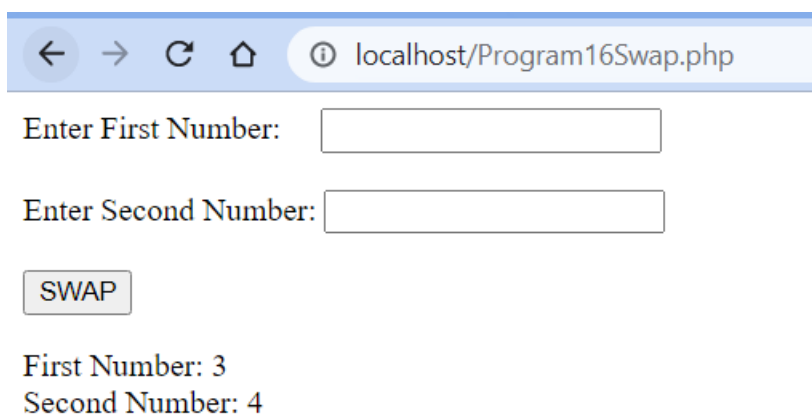
```
<html>
<body>
<form method="post">
Enter First Number: &nbsp; &nbsp; &nbsp;
<input type="number" name="number1" /><br><br>
Enter Second Number:
<input type="number" name="number2" /><br><br>
<input type="submit" name="submit" value="SWAP">
</form>
<?php
    if(isset($_POST['submit']))
    {
    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

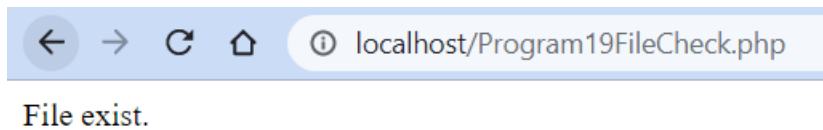
← → ↻ 🏠 ⓘ localhost/Program18LeapYear.php

Enter the Year:

2000 is a Leap Year

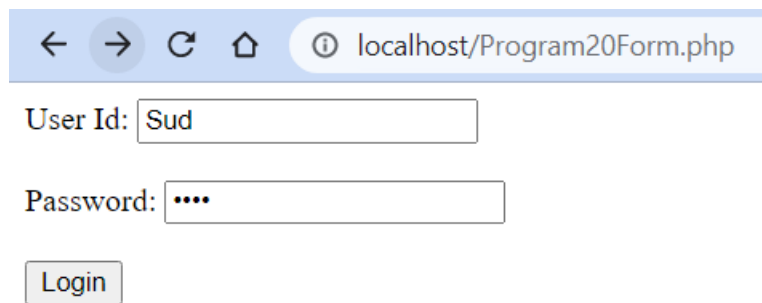
## 25. PHP Program to check if a File Exists

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



## 26. PHP Program to Implement Login Session

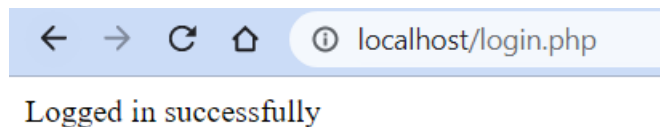
```
<!DOCTYPE html>
<html>
<body>
<form method="post" action="login.php">
User Id: <input type="text" name="userid"><br><br>
Password: <input type="password" name="password"><br><br>
<input type="submit" value="Login">
</form>
</body>
</html>
```



← → ↻ 🏠 ⓘ 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
```