

```
<!DOCTYPE html>

<html>

<head>

  <title>Student Registration Form Using HTML with CSS</title>

  <style>

    h2 {

      font-family: Sans-serif;

      font-size: 24px;

      font-weight: bold;

      color: blue;

      text-align: center;

      text-decoration: underline;

    }


    table {

      font-family: verdana;

      color: white;

      font-size: 16px;

      font-weight: bold;

      background: #1EBBF0;

      border-collapse: collapse;

      border: 4px dashed #000000;

      margin: auto;

    }


    td {

      padding: 10px;

    }

  </style>

</head>

<body>

  <div>

    <h2>Student Registration Form</h2>

    <table>

      <tr>

        <td>Name</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Age</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Gender</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Address</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>City</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>State</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Pin</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Phone</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Email</td>

        <td><input type="text"></td>

      </tr>

      <tr>

        <td>Password</td>

        <td><input type="password"></td>

      </tr>

      <tr>

        <td>Confirm Password</td>

        <td><input type="password"></td>

      </tr>

      <tr>

        <td>Register</td>

        <td><input type="button" value="Register"></td>

      </tr>

    </table>

  </div>

</body>

</html>
```

```
input[type=text],
input[type=email],
input[type=number],
input[type=date],
select,
textarea {
    width: 90%;
    padding: 6px 12px;
    margin: 5px 0;
    box-sizing: border-box;
}

input[type=submit],
input[type=reset] {
    width: 40%;
    padding: 8px 12px;
    margin: 10px;
    box-sizing: border-box;
}

.buttons {
    text-align: center;
}

</style>
</head>

<body>

<h2>Student Registration Form Using Table in HTML</h2>
```

```
<form>
```

```
<table cellpadding="10">
```

```
<!-- First Name -->
```

```
<tr>
```

```
<td>First Name</td>
```

```
<td>
```

```
<input type="text" name="FirstName" maxlength="50" placeholder="Learn" />
```

```
<br><small>(Max 50 Characters Allowed)</small>
```

```
</td>
```

```
</tr>
```

```
<!-- Last Name -->
```

```
<tr>
```

```
<td>Last Name</td>
```

```
<td>
```

```
<input type="text" name="LastName" maxlength="50" placeholder="Programo" />
```

```
<br><small>(Max 50 Characters Allowed)</small>
```

```
</td>
```

```
</tr>
```

```
<!-- Gender -->
```

```
<tr>
```

```
<td>Gender</td>
```

```
<td>
```

```
<input type="radio" name="Gender" value="Male" /> Male
```

```
<input type="radio" name="Gender" value="Female" /> Female
```

```
<input type="radio" name="Gender" value="Other" /> Other
```

</td>

</tr>

<!-- Date of Birth -->

<tr>

<td>Date of Birth</td>

<td><input type="date" name="DOB" /></td>

</tr>

<!-- Email ID -->

<tr>

<td>Email ID</td>

<td><input type="email" name="Email" placeholder="example@domain.com" /></td>

</tr>

<!-- Mobile Number -->

<tr>

<td>Mobile Number</td>

<td>

<input type="text" name="Mobile" maxlength="10" placeholder="1234567890" />

<small>(10 Digits Allowed)</small>

</td>

</tr>

<!-- Address -->

<tr>

<td>Address</td>

<td><textarea name="Address" rows="4" cols="30" placeholder="Your address here..."></textarea></td>

</tr>

```
<!-- Course -->

<tr>

  <td>Course</td>

  <td>

    <select name="Course">

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

      <option value="BCA">BCA</option>

      <option value="B.Sc">B.Sc</option>

      <option value="B.Tech">B.Tech</option>

      <option value="MBA">MBA</option>

    </select>

  </td>

</tr>


<!-- Submit and Reset -->

<tr>

  <td colspan="2" class="buttons">

    <input type="submit" value="Submit" />

    <input type="reset" value="Reset" />

  </td>

</tr>

</table>

</form>


</body>

</html>
```

OUTPUT :-

Student Registration Form Using Table in HTML

First Name	<input type="text" value="Learn"/> (Max 50 Characters Allowed)
Last Name	<input type="text" value="Programo"/> (Max 50 Characters Allowed)
Gender	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other
Date of Birth	<input type="text" value=""/> ▼
Email ID	<input type="text" value="example@domain.com"/>
Mobile Number	<input type="text" value="1234567890"/> (10 Digits Allowed)
Address	<input type="text" value="Your address here..."/>
Course	<input type="text" value="--Select--"/> ▼
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<title>Computer ScienceDepartment</title>

<style>

html {

scroll-behavior: smooth;

}

body {

background-color: #f0f8ff;

font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;

margin: 0;

padding: 0;

color: #333;

}

header {

background-color: #004080;

color: white;

padding: 10px;

text-align: center;

}

section {

padding: 40px 20px;

}

h1,

h2,

h3 {
```

```
margin-bottom: 15px;
}
.italic {
font-style: italic;
}
.underline {
text-decoration: underline;
}
.custom-font1 {
font-family: "Courier New", monospace;
}
.custom-font2 {
font-family: Georgia, serif;
}
ul {
list-style-type: square;
padding-left: 20px;
}
a {
color: #004080;
text-decoration: none;
font-weight: bold;
transition: color 0.3s;
}
a:hover {
color: #ff6600;
}
img {
width: 300px;
```



```
height: auto;
border-radius: 10px;
transition: transform 0.3s ease;
}
img:hover {
transform: scale(1.05);
}
.card {
background: white;
padding: 20px;
margin: 20px auto;
max-width: 800px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
border-radius: 12px;
}
footer {
background-color: #004080;
color: white;
text-align: center;
padding: 5px;
}
.top-link {
display: block;
margin-top: 50px;
text-align: center;
}
</style>
</head>
<body>
```


<header>

<h1 class="underline custom-font2">

Welcome to the Computer Science Department

</h1>

</header>

<section class="card">

<h2 class="italic">About Us</h2>

<p>

The Computer ScienceDepartment excels in
delivering top-quality

technical education and engaging in
world-class research. Our goal is to
empower students with practical skills and innovative thinking.

</p>

</section>

<section class="card">

<h3 class="underline">Core Focus Areas:</h3>

Embedded Systems

Microelectronics

Signal Processing

Communication Engineering

</section>

<section class="card">

<h2 class="italic">Visit Our Lab</h2>

<p>Click the image to explore our lab facilities and innovations.</p>

</section>

<div class="top-link">

Y Back to Top

</div>

<footer>

<p>© 2025 Computer Science Department. All rights reserved.</p>

</footer>

</body>

</html>

Output :-

Welcome to the Computer Science Department


About Us

The *Computer Science* Department excels in delivering top-quality technical education and engaging in world-class research. Our goal is to empower students with practical skills and innovative thinking.

Core Focus Areas:

- Embedded Systems
- Microelectronics
- Signal Processing
- Communication Engineering

Visit Our Lab

 **Computer Science Lab**

Click the image to explore our lab facilities and innovations.

[↑ Back to Top](#)

© 2025 Computer Science Department. All rights reserved.

```
<!DOCTYPE html>
```

```
<!-- saved from url=(0043)file:///C:/Users/ganes/Desktop/exp%202.html -->
```

```
<html lang="en"><head><meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title>Simple Calculator</title>
```

```
<style>
```

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f4f4f4;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
}
```

```
.calculator {
```

```
    background-color: #fff;
```

```
    padding: 20px;
```

```
    border-radius: 16px;
```

```
    box-shadow: 0 4px 10px rgba(0,0,0,0.1);
```

```
    width: 300px;
```

```
}
```

```
.display {
```

```
    width: 100%;
```

```
    height: 60px;
```

```
    font-size: 24px;
```

```
text-align: right;
padding: 10px;
border: 2px solid #ccc;
border-radius: 8px;
margin-bottom: 20px;
}
```

```
.buttons {
display: grid;
grid-template-columns: repeat(4, 1fr);
gap: 10px;
}
```

```
.buttons button {
padding: 20px;
font-size: 18px;
border: none;
border-radius: 10px;
cursor: pointer;
transition: background-color 0.2s;
}
```

```
.buttons button:hover {
background-color: #e0e0e0;
}
```

```
.buttons .operator {
background-color: #f9a825;
color: white;
```

```
}
```

```
.buttons.equals {  
  background-color: #43a047;  
  color: white;  
}
```

```
.buttons.clear {  
  background-color: #e53935;  
  color: white;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="calculator">
```

```
<input type="text" class="display" id="display" disabled="">
```

```
<div class="buttons">
```

```
<button onclick="appendNumber(&#39;7&#39;)">7</button>
```

```
<button onclick="appendNumber(&#39;8&#39;)">8</button>
```

```
<button onclick="appendNumber(&#39;9&#39;)">9</button>
```

```
<button class="operator" onclick="appendOperator(&#39;/&#39;)">÷</button>
```

```
<button onclick="appendNumber(&#39;4&#39;)">4</button>
```

```
<button onclick="appendNumber(&#39;5&#39;)">5</button>
```

```
<button onclick="appendNumber(&#39;6&#39;)">6</button>
```

```
<button class="operator" onclick="appendOperator(&#39;*&#39;)">×</button>
```

```
<button onclick="appendNumber(&#39;1&#39;)">1</button>
```

```
<button onclick="appendNumber('&#39;2&#39;')">2</button>
```

```
<button onclick="appendNumber('&#39;3&#39;')">3</button>
```

```
<button class="operator" onclick="appendOperator('&#39;-&#39;')">-</button>
```

```
<button onclick="appendNumber('&#39;0&#39;')">0</button>
```

```
<button onclick="appendDot()">.</button>
```

```
<button class="equals" onclick="calculate()">=</button>
```

```
<button class="operator" onclick="appendOperator('&#39;+&#39;')">+</button>
```

```
<button class="clear" onclick="clearDisplay()">C</button>
```

```
</div>
```

```
</div>
```

```
<script>
```

```
const display = document.getElementById('display');
```

```
function appendNumber(number) {
```

```
    display.value += number;
```

```
}
```

```
function appendOperator(operator) {
```

```
    if (display.value !== '' && !isNaN(display.value.slice(-1))) {
```

```
        display.value += operator;
```

```
    }
```

```
}
```

```
function appendDot() {
```

```
    const lastNumber = display.value.split(/[+\-\\*\]/).pop();
```

```
    if (!lastNumber.includes('.')) {
```



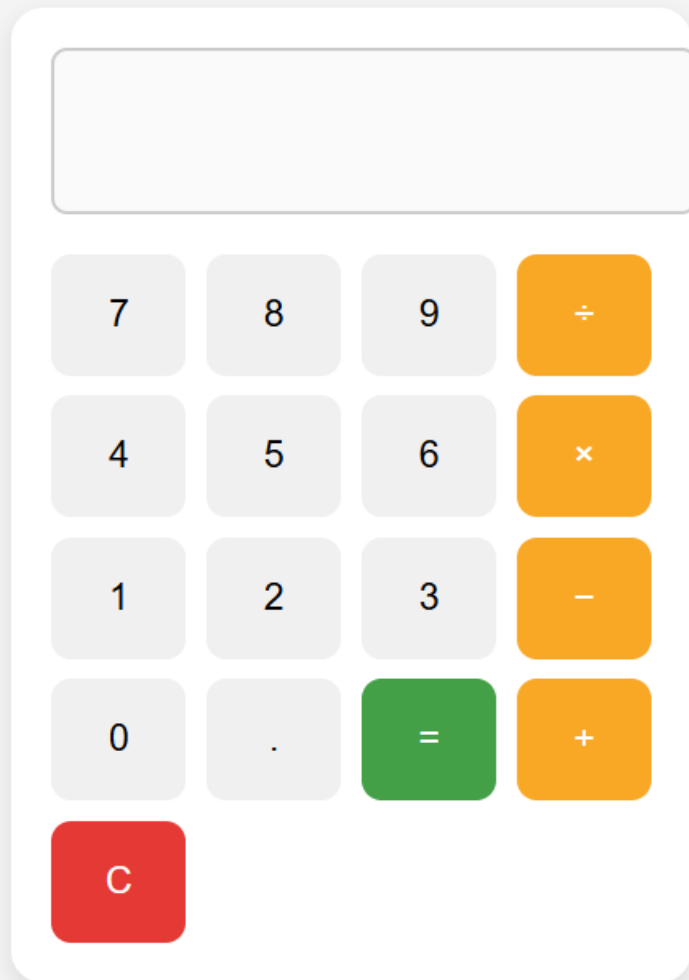
```
    display.value += '!';  
  }  
}
```

```
function clearDisplay() {  
  display.value = "";  
}
```

```
function calculate() {  
  try {  
    display.value = eval(display.value).toFixed(2).replace(/\.\d\d$/, "");  
  } catch {  
    display.value = 'Error';  
  }  
}  
</script>
```

```
</body></html>
```

OUTPUT:-



```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Department Description</title>
```

```
<style>
```

```
body {
```

```
background-color: #f0f8ff; /* Changed background color */
```

```
font-family: Arial, sans-serif;
```

```
margin: 20px;
```

```
}
```

```
.highlight {
```

```
font-style: italic;
```

```
font-family: 'Times New Roman', serif;
```

```
}
```

```
.underline {
```

```
text-decoration: underline;
```

```
font-family: 'Courier New', monospace;
```

```
}
```

```
.bold {
```

```
font-weight: bold;
```

```
font-family: 'Georgia', serif;
```

```
}
```

```
.custom {
```

```
font-family: 'Lucida Console', monospace;
```

```
        color: darkblue;
    }
</style>
</head>

<body>

<!-- Anchor for top of page -->
<a id="top"></a>

<h1 class="custom">Welcome to the Department of Computer Science</h1>

<p class="highlight">The <span class="bold">Computer Science</span> department aims to
provide
quality education in <span class="underline">computing</span> and research.</p>

<h2>Our Mission</h2>

<p class="underline">We strive to create <span class="custom">innovative solutions</span>
and
skilled professionals in the field of <span class="bold">computing</span>.</p>

<h2>Explore More</h2>

<!-- Image with link to another page -->
<a href="https://www.example.com" target="_blank">
    
</a>

<p class="highlight">Click the image to learn more about our department.</p>
```

<!-- Link to top of the page -->

Y Go to Top

</body>

</html>

OUTPUT :-

Welcome to the Department of Computer Science

*The **Computer Science** department aims to provide quality education in computing and research.*

Our Mission

We strive to create **innovative solutions** and skilled professionals in the field of **computing**.

Explore More



[Department Image](#)

Click the image to learn more about our department.

[â†† Go to Top](#)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #e6f7ff;
    }

    .container {
      width: 400px;
      margin: 50px auto;
      background-color: #fff0f5;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px gray;
    }

    input, select, textarea {
      width: 100%;
      padding: 8px;
      margin: 10px 0;
      box-sizing: border-box;
    }
```

```
label {  
    font-weight: bold;  
}
```

```
table {  
    margin-top: 20px;  
    width: 100%;  
    border-collapse: collapse;  
}
```

```
th, td {  
    border: 1px solid #aaa;  
    padding: 10px;  
    text-align: left;  
}
```

```
input[type="submit"] {  
    background-color: #f08080;  
    color: white;  
    border: none;  
    border-radius: 5px;  
    cursor: pointer;  
}
```

```
input[type="submit"]:hover {
```



```
    opacity: 0.9;
}
```

```
.gender-options {
    display: flex;
    gap: 10px;
    margin-bottom: 10px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<h2>Registration Form</h2>
```

```
<form id="registrationForm" onsubmit="return validate()">
```

```
<label for="name">Name:</label>
```

```
<input type="text" id="name" name="name">
```

```
<label for="email">Email:</label>
```

```
<input type="email" id="email" name="email">
```

```
<label for="dob">Date of Birth:</label>
```

```
<input type="date" id="dob" name="dob">
```

```
<label>Gender:</label>
```

```
<div class="gender-options">
```

```
<label><input type="radio" name="gender" value="Male"> Male</label>
<label><input type="radio" name="gender" value="Female">
Female</label>
<label><input type="radio" name="gender" value="Other"> Other</label>
</div>
```

```
<label for="course"><b>Course Name:</b></label>
<select name="course">
  <option value="">--Select--</option>
  <option value="BCA">BCA</option>
  <option value="B.Tech">B.Tech</option>
  <option value="MCA">MCA</option>
  <option value="M.Tech">M.Tech</option>
</select>
```

```
<label for="country">Country:</label>
<input type="text" id="country" name="country">
```

```
<label for="phone">Phone Number:</label>
<input type="text" id="phone" name="phone">
```

```
<label for="salary">Salary:</label>
<input type="number" id="salary" name="salary" placeholder="Enter your
salary">
```

```
<label for="address">Address:</label>
<textarea id="address" name="address"></textarea>
```

<label for="document">Upload Document:</label>

<input type="file" id="document" name="document">

<input type="submit" value="Submit">

</form>

<table id="resultTable">

<thead>

<!-- Add table headers if needed -->

</thead>

<tbody></tbody>

</table>

</div>

</body>

</html>

OUTPUT :-

Registration Form

Name:

Email:

Date of Birth:

Gender:

☐ **Male** ☐ **Female** ☐ **Other**

Course Name:

Country:

Phone Number:

Salary:

Address:

Upload Document:

No file chosen

Submit

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>String and Number Operations</title>
<style>
body {
font-family: Arial, sans-serif;
margin: 40px;
background-color: B57EDC;
}
.container {
max-width: 1000px;
margin: auto;
padding: 20px;
background: #E8B7D4;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0,0,0,0.1);
}
input[type="text"], input[type="number"] {
width: 150%;
padding: 10px;
margin-top: 10px;
margin-bottom: 20px;
border: 1px solid #ccc;
```

```
border-radius: 5px;
}
button {
padding: 10px 15px;
border: none;
background-color: violet;
color: white;
border-radius: 5px;
cursor: pointer;
}
button:hover {
background-color: #0056b3;
}
.result {
margin-top: 10px;
font-weight: bold;
color: #333;
}
</style>
</head>
<body>
<div class="container">
<h2>String Length Calculator</h2>
<input type="text" id="stringInput" placeholder="Enter a string">
<button onclick="calculateLength()">Get Length</button>
<div class="result" id="lengthResult"></div>
```

```
<hr>
<h2>Number Reverser</h2>
<input type="number" id="numberInput" placeholder="Enter a number">
<button onclick="reverseNumber()">Reverse Digits</button>
<div class="result" id="reverseResult"></div>
</div>
<script>
function calculateLength() {
const str = document.getElementById("stringInput").value;
const length = str.length;
document.getElementById("lengthResult").innerText = "Length: " + length;
}
function reverseNumber() {
const num = document.getElementById("numberInput").value;
if (num === "") {
document.getElementById("reverseResult").innerText = "Please enter a
number.";
return;
}
const reversed = num.split("").reverse().join("");
document.getElementById("reverseResult").innerText = "Reversed: " +
reversed;
}
</script>
</body>
</html>
```

OUTPUT :-

String Length Calculator

Enter a string

Get Length

Number Reverser

Enter a number

Reverse Digits


```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Prime Number Finder</title>

<style>

body {

font-family: caveat, cursive;

background: #f4f4f4;

padding: 40px;

text-align: rightside;

}

.container {

background: yellow;

padding: 30px;

max-width: 400px;

margin: auto;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0,0,0,0.1);

}

input[type="number"] {

padding: 10px;

width: 80%;

margin: 10px 0;

}
```

```
button {
  padding: 10px 20px;
  margin-top: 10px;
  background-color: red;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
button:hover {
  background-color: #218838;
}
.result {
  margin-top: 20px;
  font-weight: bold;
  color: #333;
}
.error {
  color: red;
  font-size: 14px;
}
</style>
</head>
<body>
<div class="container">
  <h2>Prime Number Finder</h2>
```

```
<p>Enter a starting and ending number:</p>
<input type="number" id="start" placeholder="Start number">
<input type="number" id="end" placeholder="End number">
<br>
<button onclick="findPrimes()">Find Primes</button>
<div class="result" id="result"></div>
<div class="error" id="error"></div>
</div>
<script>
function isPrime(num) {
  if (num <= 1) return false;
  if (num === 2) return true;
  if (num % 2 === 0) return false;
  for (let i = 3; i <= Math.sqrt(num); i += 2) {
    if (num % i === 0) return false;
  }
  return true;
}

function findPrimes() {
  const start = parseInt(document.getElementById('start').value);
  const end = parseInt(document.getElementById('end').value);
  const resultDiv = document.getElementById('result');
  const errorDiv = document.getElementById('error');
  resultDiv.innerHTML = "";
  errorDiv.innerHTML = "";
  if (isNaN(start) || isNaN(end)) {
```

```
errorDiv.textContent = 'Please enter valid numbers.';
return;
}
if (start > end) {
    errorDiv.textContent = 'Start number must be less than or equal to end
number.';
    return;
}
const primes = [];
for (let i = start; i <= end; i++) {
    if (isPrime(i)) {
        primes.push(i);
    }
}
resultDiv.textContent = primes.length
? Prime numbers: ${primes.join(', ')}
: 'No prime numbers found in this range.';
}
</script>
</body>
</html>
```

OUTPUT :-

Prime Number Finder

Enter a starting and ending number:

Find Primes

Experiment no7: Display servertime using digital clock.

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Digital Clock</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background: #000;
      color: #0f0;
      text-align:
        center; font-
        size: 48px;
      margin-top: 20%;
    }
  </style>
</head>
<body>

<?php
// Get the current server time
date_default_timezone_set('UTC'); // Change to your timezone if needed
$serverTime = date("H:i:s");
?>

<div id="clock"><?php echo $serverTime; ?></div>

<script>
  function updateClock() {
    const clock =
      document.getElementById('clock'); let time =
      new Date();
    clock.innerHTML = time.toLocaleTimeString();
  }

  setInterval(updateClock, 1000);
</script>

</body>
</html>
```

Output:



Experiment no8: Write a PHP program to implement sign-In and Sign-out functionality.

Login.php

```
<?php
session_start();

// Dummy credentials
$valid_username = 'admin';
$valid_password = '12345';

// Handle form submission
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $username = $_POST['username'] ?? '';
    $password = $_POST['password'] ?? '';

    if ($username === $valid_username && $password === $valid_password) {
        $_SESSION['user'] = $username;
        header('Location: welcome.php');
        exit;
    } else {
        $error = "Invalid username or password!";
    }
}

?>

<!DOCTYPE html>
<html>

<head>
    <title>Sign-In</title>
</head>

<body>
    <h2>Login</h2>
    <?php if (!empty($error)) echo "<p style='color:red;'>$error</p>"; ?>
    <form method="post" action="login.php">
        Username: <input type="text" name="username" required><br><br>
        Password: <input type="password" name="password" required><br><br>
        <button type="submit">Sign In</button>
    </form>
</body>
</html>
```



```

        </form>
</body>

</html>
Welcome.php

<?php
session_start();
if (!isset($_SESSION['user'])) {
    header('Location: login.php');
    exit;
}
?>

<!DOCTYPE html>
<html>

<head>
    <title>Welcome</title>
</head>

<body>
    <h2>Welcome, <?php echo htmlspecialchars($_SESSION['user']); ?>!</h2>
    <p><a href="logout.php">Sign Out</a></p>
</body>

</html>
Logout.php

<?php
session_start();
session_unset();
session_destroy();
header('Location: login.php');
exit;

```

Output:

Sign-In

localhost/Sem2/pr8/login.php

Login

Username:

Password:

Welcome

localhost/Sem2/pr8/welcome.php

Welcome, admin!

[Sign Out](#)

Aim: Write a PHP program to keep track of the number of visitors visiting the Web page and to display this count of visitors, with proper headings.

```
<!DOCTYPE html>

<html>

<head>

    <title>Visitor Counter</title>

</head>

<body>

    <h1>Welcome to Our Website!</h1>

    <?php

        $file = "counter.txt";    if

(!file_exists($file)) {

file_put_contents($file, "0");

    }

    $count = (int) file_get_contents($file);

    $count++;

    file_put_contents($file, $count);

    echo "<h2>Total Visitors: " . $count . "</h2>";

?>

</body>

</html>
```

Output:



Welcome to Our Website!

Total Visitors: 39

Experiment no:10 Write a PHP code to implement AJAX functionality.

Code: Index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>AJAX with PHP</title>
</head>
<body>
    <h2>AJAX Example</h2>
    <input type="text" id="name" placeholder="Enter your name">
    <button onclick="sendData()">Submit</button>
    <p id="response"></p>

    <script>
        function sendData() {
            var name = document.getElementById("name").value;
            var xhr = new XMLHttpRequest();
            xhr.open("POST", "process.php", true);
            xhr.setRequestHeader("Content-Type", "application/x-www-form-
urlencoded");

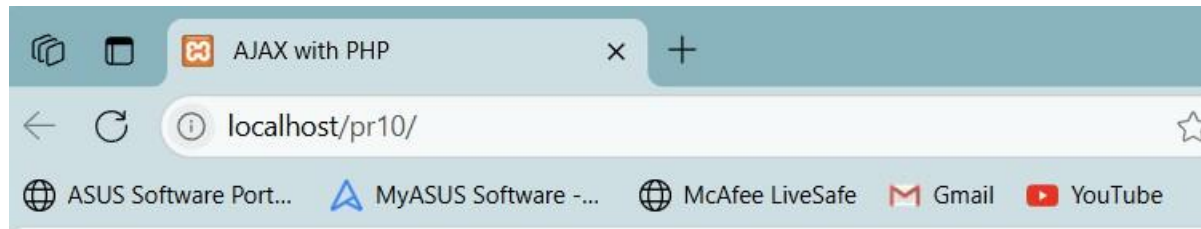
            xhr.onreadystatechange = function() {
                if (xhr.readyState === 4 && xhr.status === 200) {
                    document.getElementById("response").innerHTML =
xhr.responseText;
                }
            };
            xhr.send("name=" + encodeURIComponent(name));
        }
    </script>
</body>

</html>
```

Process.php

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['name'];
    echo "Hello, " . htmlspecialchars($name) . "!";}
```

Output:



AJAX Example

Hello, Jhon Snow!

Experiement no: 11 Write a PHP program to perform search operation on the student records using AJAX.

Code:

Index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PR11</title>

</head>

<body>
  <div class="container" style="border: 1px solid">

    <label for="rollno">Roll no:</label>
    <input type="number" name="rollno" id="rollno">
    <br>
    <button id="btn">Search</button>
  </div>
  <div style="border: 1px blue solid;">
    <p id="Responce"></p>
  </div>

  <script>
    let btn = document.getElementById("btn");
    btn.addEventListener('click', function() {
      // var rollno = document.getElementById("rollno");
      const rollno= document.getElementById("rollno").value;
      console.log("search entered");

      let xhr = new XMLHttpRequest();
      xhr.open("POST", "search.php", true);
      xhr.setRequestHeader("Content-Type", "application/x-www-form-
urlencoded");
```

```

        xhr.onreadystatechange = function() {
            if (this.readyState == 4 && this.status == 200) {
                document.getElementById("Response").innerHTML =
this.responseText

            }
        }
        console.log(rollno)
        xhr.send("rollno="+encodeURIComponent(rollno));
    })
</script>
</body>

</html>

```

Search.php

```

<?php
$con = mysqli_connect("localhost", "root", "", "student");
if (!isset($con)) {
    echo "Error:" . mysqli_error($con);
}
?>

<?php
if($_SERVER["REQUEST_METHOD"]=="POST"){
    $rollno=intval($_POST["rollno"]);
    $query="SELECT rollno,name,class,prnno FROM student
where rollno=".$rollno."";
    $result= mysqli_query($con,$query);

    echo "<table border='1' cellpadding='5'>
        <tr>
            <th>Roll no</th>
            <th>Name</th>
            <th>class</th>
            <th>PRN no</th>
        </tr>";
    if (mysqli_num_rows($result) > 0) {
        // output data of each row
        while ($row = mysqli_fetch_assoc($result)) {
            echo "<tr>
                <td>" . $row['rollno'] . "</td>
                <td>" . $row['name'] . "</td>
                <td>" . $row['class'] . "</td>

```

```

        <td>" . $row['prnno'] . "</td>
    </tr>
    ";
} else {
    echo "0 results";
}

}
echo"</table>";

mysqli_close($con);
?>

```

Output:

The screenshot shows a web browser window with the address bar displaying 'localhost/Sem2/pr11/'. The page contains a search form with a label 'Roll no:' followed by a text input field containing '201'. Below the input field is a 'Search' button. The search results are displayed in a table with the following data:

Roll no	Name	class	PRN no
201	abc def ghi	syCse-B	24001

Experiement no: 12. Write a PHP program to sort the student records which are stored in the database using ascending/descending order.

Index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>PR12</title>

</head>

<body>
    <div class="container" style="border: 1px solid">
        <label for="order">select a order:</label>
        <br>

        <select name="order" id="order" title="slect order">slect

            <option value="ascending">ascending</option>
            <option value="decending">decending</option>

        </select>
        <br>
        <button id="btn">Select</button>
    </div>
    <div style="border: 1px blue solid;">
        <p id="Responce"></p>
    </div>

    <script>
        let btn = document.getElementById("btn");
        btn.addEventListener('click', function() {
            let a =document.getElementById("order").value;

            let xhr = new XMLHttpRequest();
```

```

        xhr.open("POST", "search.php", true);
        xhr.setRequestHeader("Content-Type", "application/x-www-form-
urlencoded");

        xhr.onreadystatechange = function() {
            if (this.readyState == 4 && this.status == 200) {
                document.getElementById("Responce").innerHTML =
this.responseText

            }
        }

        xhr.send("order="+encodeURIComponent(a));
    })
</script>
</body>

</html>

```

Search.php

```

<?php
$con = mysqli_connect("localhost", "root", "", "student");
if (!isset($con)) {
    echo "Error:" . mysqli_error($con);
}
?>
<?php

if($_SERVER["REQUEST_METHOD"]=="POST"){
    if($_POST["order"]=="ascending"){
        $query= "SELECT * FROM student ORDER by rollno ASC";}
    else{
        $query = "SELECT * FROM student ORDER by rollno DESC";
    }
}

$result= mysqli_query($con,$query);

echo "<table border='1' cellpadding='5'>
    <tr>
        <th>Roll no</th>
        <th>Name</th>
        <th>class</th>
        <th>PRN no</th>

```

```

        </tr>";
    if (mysqli_num_rows($result) > 0) {
        // output data of each row
        while ($row = mysqli_fetch_assoc($result)) {
            echo "<tr>
                <td>" . $row['rollno'] . "</td>
                <td>" . $row['name'] . "</td>
                <td>" . $row['class'] . "</td>
                <td>" . $row['prnno'] . "</td>
            </tr>
            ";
        }
    } else {
        echo "0 results";
    }

    echo"</table>";

mysqli_close($con);
?>
</body>
</html>

```

Output:

Ascending

PR12 PHP MySQL Se

localhost/Sem2/pr12/

select a order:
 ascending ▾
 Select

Roll no	Name	class	PRN no
201	abc def ghi	syCse-B	24001
202	xyz sj ss	syCse-B	24002
203	asd fhk lnd	syCse-B	24003
204	ads dgd dgd	syCse-B	24004
205	adf jn lkn	syCse-B	24005

Descending

PR12 PHP MySQL Se

localhost/Sem2/pr12/

select a order:
 decending ▾
 Select

Roll no	Name	class	PRN no
205	adf jn lkn	syCse-B	24005
204	ads dgd dgd	syCse-B	24004
203	asd fhk lnd	syCse-B	24003
202	xyz sj ss	syCse-B	24002
201	abc def ghi	syCse-B	24001

