

Exp No:1

Aim:-Design an HTML form for displaying information using interactive css including.

```
<!DOCTYPE html>
<html>
<head>
<title>Personal Details</title>
<style>
/* Basic page styling */
body {
font-family: Arial, sans-serif;
background-color: #78d7ed;
padding: 20px;
}
/* Header styling */
h2 {
text-align: center;
color: #333;
}
/* Form container styling */
form {
background-color: #0ccfc9;
padding: 20px;
border-radius: 10px;
max-width: 400px;
margin: 20px auto;
box-shadow: 0 0 10px rgba(0,0,0,0.1);
}
/* Styling form elements */
label, input, textarea, button {
display: block;
width: 100%;
margin-bottom: 10px;
}
/* Input and textarea box styling */
input, textarea {
padding: 8px;
border: 1px solid #ccc;
border-radius: 5px;
}
/* Button styling */
button {
padding: 10px;
background-color: #007bff;
color: rgb(255, 255, 255);
border: none;
border-radius: 5px;
cursor: pointer;
}
/* Button hover effect */
button:hover {
```

```

background-color: #0056b3;
}
/* Image styling */
img {
display: block;
margin: 20px auto;
width: 150px;
border-radius: 50%;
}
/* Table styling */
table {
width: 80%;
margin: 20px auto;
border-collapse: collapse;
}
/* Table cell styling */
th, td {
border: 1px solid #ddd;
padding: 10px;
text-align: center;
}
/* Table header styling */
th {
background-color: violet;
color: Purple;
}
</style>
</head>
<body>
<!-- Header text -->
<h2>Student Information Form</h2>
<!-- Form section for user input --><form>
<label for="name">Name:</label>
<input type="text" id="name" placeholder="Your Name">
<label for="Roll No">Roll No:</label>
<input type="text" id="Roll NO" placeholder="Your Roll no">
<label for="Date of Birth">Date of Birth:</label>
<input type="text" id="Date of Birth" placeholder="Your Date of Birth">
<label for="email">Email:</label>
<input type="email" id="email" placeholder="Your email">
<label for="Password">Pasword:</label>
<input type="Password" id="Password" placeholder="Password">
<label for="Gender">Gender:</label>
<input type="Gender" id="Gender" placeholder="Gender">
<label for="message">Message:</label>
<textarea id="message" rows="4" placeholder="Write something..."></textarea>
<button type="submit">Send</button>
</form>
<!-- Placeholder image below form -->

<!-- Table to display sample data -->

```

```

<table>
<tr>
<th>ID</th>
<th>Name</th>
<th>Email</th>
</tr>
<tr>
<td>1</td>
<td>Jyoti karkhele</td>
<td>jyoti@gmail.com</td>
</tr>
<tr>
<td>2</td>
<td>Shreya ghogre</td>
<td>Shreya@gmail.com</td>
</tr>
</table>
<!-- Note: The lang="en" attribute in <html> is not strictly necessary, but it is recommended
for
accessibility and SEO. -->
</body>
</html>

```

Output:-

Student Information Form

Name:

Roll No:

Date of Birth:

Email:

Pasword:

Gender:

Message:

Send

User Image

| ID | Name | Email |
|----|----------------|------------------|
| 1 | Jyoti karkhele | jyoti@gmail.com |
| 2 | Shreya ghogre | Shreya@gmail.com |

Exp No:2

Aim: Create a webpage with HTML describing your department with following specification:

a. Change the background color of the page. At the bottom create a link to take the user to the top of the page.

b. Insert an image and create a link such that clicking on image takes user to other page.

Also apply font styling like italics, underline and two other fonts to words you find appropriate. Also use header tags.

Index.html

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Department Overview</title>
  <style>
    body {
      background-color: #e0f7fa;
      /* Light blue background */
      font-family: Arial, sans-serif;
      line-height: 1.6;
    }

    header {
      text-align: center;
      padding: 20px;
    }

    h1 {
      font-family: 'Georgia', serif;
      /* Different font for the main header */
    }

    h2,
    h3 {
      font-family: 'Courier New', monospace;
      /* Different font for sub-headers */
    }

    .department-image {
      width: 300px;
      /* Adjust the size of the image */
      height: auto;
      display: block;
```

```

        margin: 20px auto;
        /* Center the image */
    }

    footer {
        text-align: center;
        margin-top: 20px;
    }

    a {
        text-decoration: none;
        /* Remove underline from links */
        color: #007bff;
        /* Link color */
    }

    a:hover {
        text-decoration: underline;
        /* Underline on hover */
    }

    .highlight {
        font-style: italic;
        /* Italic style */
        text-decoration: underline;
        /* Underline style */
    }
</style>
</head>

<body>
    <header>
        <h1>Department of Computer Science and Engineering</h1>
        <h2>MGM College of Engineering, Nanded</h2>
    </header>

    <section>
        <h2>Vision</h2>
        <p class="highlight">“To empower computer professionals
globally with advanced skills in software development
and research to meet industry demands and societal
expectations.”</p>

        <h2>Mission</h2>
        <ul>
            <li>Cultivating programming, analytical and
multidisciplinary expertise to elevate employability.</li>
            <li>Offering a cutting-edge computing environment and
diverse learning opportunities.</li>
            <li>Nurturing creative and innovative thinking, fostering
collaborative research, and instilling

```

entrepreneurial skills to create a positive societal impact.

Promoting the cultivation of problem solving, team building, leadership skills, and ethical conduct ensuring holistic growth.

<h2>Introduction</h2>

<p>In every part of life, the use of computers becomes essential. Right from railway reservations to sophisticated medical equipment, computers are inevitable. In every field, there is a high demand for computer professionals. In the modern world of Information Technology, to achieve the top position, one must be updated with recent knowledge like Web technologies, C#, PHP, Data Science, VB.NET, Neural Networks, VC++, JAVA, etc.</p>

<p>The College provides an M.Sc. Software Engineering course that gives deep and current knowledge to satisfy the needs of the industry. Students are prepared to adopt these high technologies by gaining all basic and advanced knowledge, which is covered in the graduation course of B.Sc. Computer Science.</p>

<p>Computer knowledge is not restricted to science students; rather, students of Arts, Commerce, and MCVC also have good opportunities to make their careers in computers. The BCA (Bachelor of Computer Application) course, which is designed for them, provides equal opportunities for engineering and science students to get good jobs. Computer and IT are the leading industries that provide more jobs and opportunities with luxuries and high salaries in India as well as abroad.</p>

<h2>Special Features</h2>

Well-equipped computer lab for thorough practice with Internet facility.

Advanced servers like Windows 2003, Oracle, IIS, and Unix/Linux.

Multimedia Client systems with Windows XP, VB.NET, ASP.NET, etc.

Special attention towards students coming from Arts, Commerce, and MCVC streams.

Free internet facility to all students.

<h3>Explore More</h3>

<p>Click the image below to learn more about our department:</p>


```
        
        </a>
    </section>

    <footer>
        <p><a href="#top">Back to Top</a></p>
    </footer>
</body>

</html>
```

Output:

Department Overview

127.0.0.1:5500/practical/practical0/index.html#top

Department of Computer Science and Engineering

MGM College of Engineering, Nanded

Vision

"To empower computer professionals globally with advanced skills in software development and research to meet industry demands and societal expectations."

Mission

- Cultivating programming, analytical and multidisciplinary expertise to elevate employability
- Offering a cutting-edge computing environment and diverse learning opportunities
- Nurturing creative and innovative thinking, fostering collaborative research, and instilling entrepreneurial skills to create a positive societal impact
- Promoting the cultivation of problem solving, team building, leadership skills, and ethical conduct ensuring holistic growth.

Introduction

In every part of life, the use of computers becomes essential. Right from railway reservations to sophisticated medical equipment, computers are inevitable. In every field, there is a high demand for computer professionals. In the modern world of Information Technology, to achieve the top position, one must be updated with recent knowledge like Web technologies, C#, PHP, Data Science, VB NET, Neural Networks, VC++, JAVA, etc.

The College provides an M.Sc. Software Engineering course that gives deep and current knowledge to satisfy the needs of the industry. Students are prepared to adopt these high

Department Overview

login nanded image - Google

127.0.0.1:5500/practical/practical0/index.html#top

The College provides an M.Sc. Software Engineering course that gives deep and current knowledge to satisfy the needs of the industry. Students are prepared to adopt these high technologies by gaining all basic and advanced knowledge, which is covered in the graduation course of B.Sc. Computer Science.


Computer knowledge is not restricted to science students; rather, students of Arts, Commerce, and MCVC also have good opportunities to make their careers in computers. The BCA (Bachelor of Computer Application) course, which is designed for them, provides equal opportunities for engineering and science students to get good jobs. Computer and IT are the leading industries that provide more jobs and opportunities with luxuries and high salaries in India as well as abroad.

Special Features

1. Well-equipped computer lab for thorough practice with Internet facility.
2. Advanced servers like Windows 2003, Oracle, IIS, and Unix/Linux.
3. Multimedia Client systems with Windows XP, VB NET, ASP.NET, etc.
4. Special attention towards students coming from Arts, Commerce, and MCVC streams.
5. Free internet facility to all students.

Explore More

Click the image below to learn more about our department.



[Back to Top](#)

Exp No:3

Aim: Design a simple calculator using HTML, CSS and JavaScript to perform arithmetic operation

Index.html

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Simple Calculator</title>
  <style>
    body {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      background-color: #f0f0f0;
      font-family: Arial, sans-serif;
    }

    .calculator {
      background-color: white;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
      text-align: center;
    }

    input {
      width: 90%;
      padding: 15px;
      margin-bottom: 10px;
      border: 1px solid #ccc;
      border-radius: 5px;
      font-size: 24px;
      text-align: right;
    }

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

```

    button {
      padding: 20px;
      border: none;
      border-radius: 5px;
      background-color: #007bff;
      color: white;
      font-size: 18px;
      cursor: pointer;
    }

    button:hover {
      background-color: #0056b3;
    }
  </style>
</head>

<body>
  <div class="calculator">
    <h1>Simple Calculator</h1>
    <input type="text" id="display" placeholder="0" disabled>

    <div class="buttons">
      <button onclick="appendNumber('7')">7</button>
      <button onclick="appendNumber('8')">8</button>
      <button onclick="appendNumber('9')">9</button>
      <button onclick="setOperation('/')">/</button>

      <button onclick="appendNumber('4')">4</button>
      <button onclick="appendNumber('5')">5</button>
      <button onclick="appendNumber('6')">6</button>
      <button onclick="setOperation('*')">*</button>

      <button onclick="appendNumber('1')">1</button>
      <button onclick="appendNumber('2')">2</button>
      <button onclick="appendNumber('3')">3</button>
      <button onclick="setOperation('-')">-</button>

      <button onclick="appendNumber('0')">0</button>
      <button onclick="calculate()">=</button>
      <button onclick="clearDisplay()">C</button>
      <button onclick="setOperation('+')">+</button>
    </div>
  </div>

  <script>
    let currentInput = '';
    let operation = '';
    let previousInput = '';

    function appendNumber(number) {

```

```

        currentInput += number;
        updateDisplay();
    }

    function setOperation(op) {
        if (currentInput === '') return;
        if (previousInput !== '') {
            calculate();
        }
        operation = op;
        previousInput = currentInput;
        currentInput = '';
    }

    function calculate() {
        let result;
        const prev = parseFloat(previousInput);
        const current = parseFloat(currentInput);

        if (isNaN(prev) || isNaN(current)) return;

        switch (operation) {
            case '+':
                result = prev + current;
                break;
            case '-':
                result = prev - current;
                break;
            case '*':
                result = prev * current;
                break;
            case '/':
                if (current === 0) {
                    alert("Cannot divide by zero.");
                    clearDisplay();
                    return;
                }
                result = prev / current;
                break;
            default:
                return;
        }

        currentInput = result.toString();
        operation = '';
        previousInput = '';
        updateDisplay();
    }

    function clearDisplay() {

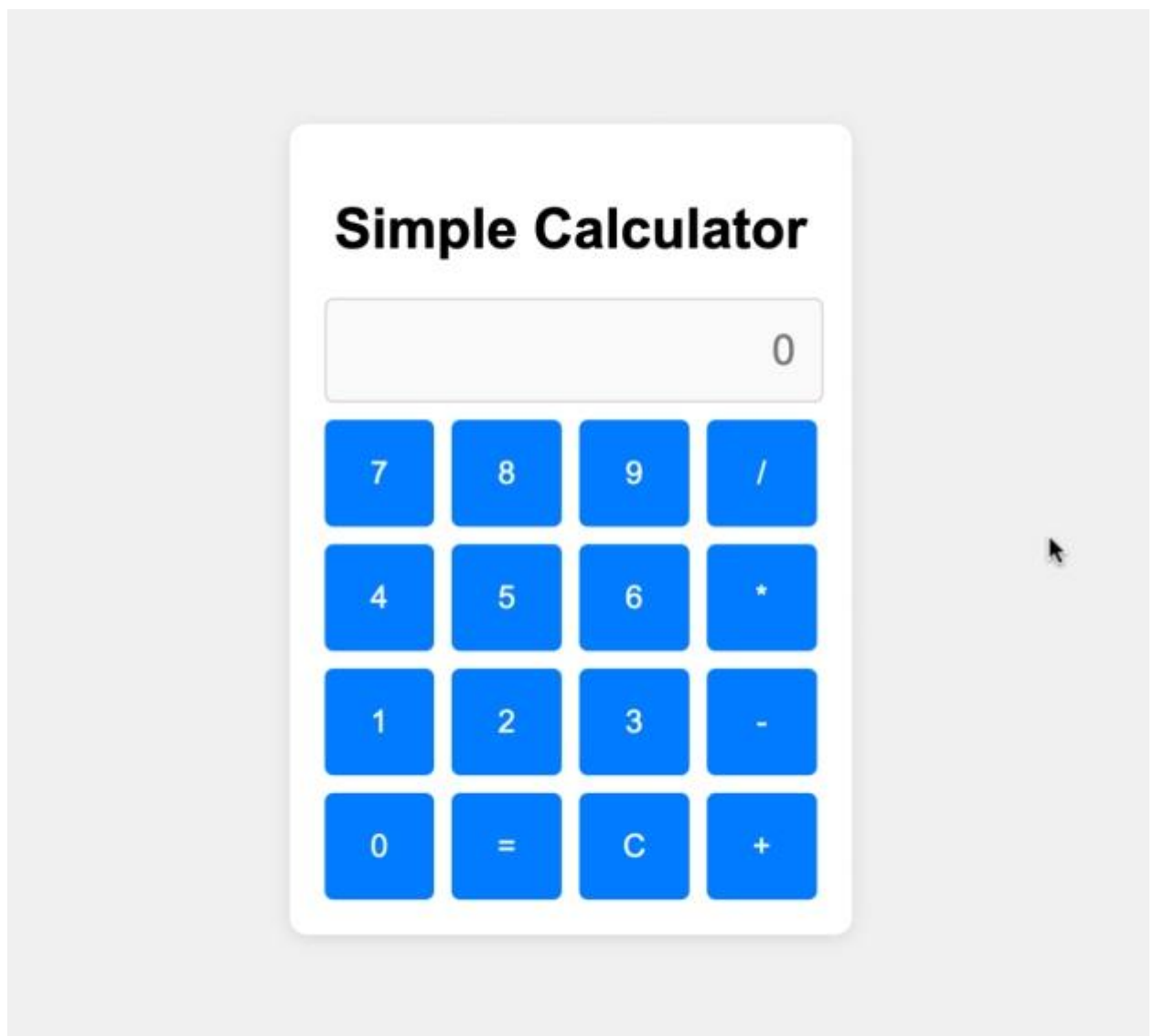
```

```
        currentInput = '';
        previousInput = '';
        operation = '';
        updateDisplay();
    }

    function updateDisplay() {
        document.getElementById('display').value = currentInput
        || '0';
    }
</script>
</body>

</html>
```

Output:



Exp No:4

Aim:- Write a JavaScript to validate the following fields of employee on html form: email, name, mobile no., address, salary

Index.html

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Employee Form Validation</title>
  <style>
    body {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      background-color: #f0f0f0;
      font-family: Arial, sans-serif;
    }

    .form-container {
      background-color: white;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
      width: 300px;
    }

    input {
      width: 90%;
      padding: 10px;
      margin: 10px 0;
      border: 1px solid #ccc;
      border-radius: 5px;
    }

    button {
      padding: 10px;
      border: none;
      border-radius: 5px;
      background-color: #007bff;
      color: white;
      cursor: pointer;
      width: 100%;
    }

    button:hover {
```

```

        background-color: #0056b3;
    }

    .error {
        color: red;
        font-size: 12px;
    }
</style>
</head>

<body>
    <div class="form-container">
        <h2>Employee Form</h2>
        <form id="employeeForm" onsubmit="return validateForm()">
            <input type="text" id="name" placeholder="Name" required>
            <div id="nameError" class="error"></div>

            <input type="email" id="email" placeholder="Email"
required>
            <div id="emailError" class="error"></div>

            <input type="text" id="mobile" placeholder="Mobile No."
required>
            <div id="mobileError" class="error"></div>

            <input type="text" id="address" placeholder="Address"
required>
            <div id="addressError" class="error"></div>

            <input type="number" id="salary" placeholder="Salary"
required>
            <div id="salaryError" class="error"></div>

            <button type="submit">Submit</button>
        </form>
    </div>

    <script>
        function validateForm() {
            // Clear previous error messages
            document.getElementById('nameError').innerText = '';
            document.getElementById('emailError').innerText = '';
            document.getElementById('mobileError').innerText = '';
            document.getElementById('addressError').innerText = '';
            document.getElementById('salaryError').innerText = '';

            // Get form values
            const name = document.getElementById('name').value.trim();
            const email =
document.getElementById('email').value.trim();
            const mobile =
document.getElementById('mobile').value.trim();

```

```

        const address =
document.getElementById('address').value.trim();
        const salary =
document.getElementById('salary').value.trim();

        let isValid = true;

        // Validate Name
const nameRegex = /^[A-Za-z\s]+$/;
        if (!nameRegex.test(name)) {
            document.getElementById('nameError').innerText =
'Invalid name. Only letters allowed.';
            isValid = false;
        }

        // Validate Email
const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
        if (!emailRegex.test(email)) {
            document.getElementById('emailError').innerText =
'Invalid email format.';
            isValid = false;
        }

        // Validate Mobile Number
const mobileRegex = /^\d{10}$/;
        if (!mobileRegex.test(mobile)) {
            document.getElementById('mobileError').innerText =
'Mobile number must be 10 digits.';
            isValid = false;
        }

        // Validate Address
        if (address === '') {
            document.getElementById('addressError').innerText =
'Address cannot be empty.';
            isValid = false;
        }

        // Validate Salary
const salaryValue = parseFloat(salary);
        if (isNaN(salaryValue) || salaryValue <= 0) {
            document.getElementById('salaryError').innerText =
'Salary must be a positive number.';
            isValid = false;
        }

        return isValid; // Prevent form submission if validation
fails
    }
</script>
</body>

```


</html>

Output:

Employee Form

Exp No:5

Aim:- Design a webpage using HTML, CSS and JavaScript to perform following operations:

- Read a string from a textbox and calculate the length
- Read a number from textbox and display digits in reverse 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>String and Number Manipulation</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f0f0f0;
      padding: 20px;
    }

    .container {
      background-color: white;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
      max-width: 400px;
      margin: auto;
    }

    input {
      width: 100%;
      padding: 10px;
      margin: 10px 0;
      border: 1px solid #ccc;
      border-radius: 5px;
    }

    button {
      padding: 10px;
      border: none;
      border-radius: 5px;
      background-color: #007bff;
      color: white;
      cursor: pointer;
      width: 100%;
    }

    button:hover {
      background-color: #0056b3;
    }
  </style>
</head>

<body>
  <div class="container">
    <h1>String and Number Manipulation</h1>
    <div>
      <input type="text" value="Enter a string or number here" />
      <button>Manipulate</button>
    </div>
  </div>
</body>
</html>
```

```

        .result {
            margin-top: 20px;
            font-weight: bold;
        }
    </style>
</head>

<body>
    <div class="container">
        <h1>String and Number Manipulation</h1>

        <h2>1. String Length</h2>
        <input type="text" id="stringInput" placeholder="Enter a
string">
        <button onclick="calculateStringLength()">Get String
Length</button>
        <div id="stringResult" class="result"></div>

        <h2>2. Reverse Number</h2>
        <input type="number" id="numberInput" placeholder="Enter a
number">
        <button onclick="reverseNumber()">Reverse Number</button>
        <div id="numberResult" class="result"></div>
    </div>

    <script>
        // Function to calculate the length of a string
        function calculateStringLength() {
            const str = document.getElementById('stringInput').value;
            const length = str.length;
            document.getElementById('stringResult').innerText = `Length
of the string: ${length}`;
        }

        // Function to reverse the digits of a number
        function reverseNumber() {
            const num = document.getElementById('numberInput').value;
            const reversed =
num.toString().split('').reverse().join('');
            document.getElementById('numberResult').innerText =
`Reversed number: ${reversed}`;
        }
    </script>
</body>
</html>
Output:

```

String and Number Manipulation

1. String Length

Get String Length

Length of the string: 6

2. Reverse Number

Reverse Number

Reversed number: 58766

Exp No:6

Aim:- Design a webpage using HTML, CSS and JavaScript that prompts user to input a starting and ending number and display all prime numbers within the specified range

Index.html

```
<!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: Arial, sans-serif;
      background-color: #1a1a2e;
      padding: 20px;
      color: #ffffff;
    }
    .container {
      background-color: #16213e;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 4px 15px rgba(0, 255, 255, 0.2);
      max-width: 400px;
      margin: auto;
    }
    input {
      width: 100%;
      padding: 10px;
      margin: 10px 0;
      border: 1px solid #0f3460;
      border-radius: 5px;
      background-color: #0f3460;
      color: #ffffff;
    }
    input::placeholder {
      color: #cccccc;
    }
    button {
      padding: 10px;
      border: none;
      border-radius: 5px;
      background-color: #00adb5;
      color: white;
      cursor: pointer;
      width: 100%;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <div class="container">
    <input type="text" value="Start Number" />
    <input type="text" value="End Number" />
    <button value="Find Prime Numbers" />
  </div>
</body>
</html>
```

```

        button:hover {
            background-color: #02cfd1;
        }
        .result {
            margin-top: 20px;
            font-weight: bold;
            color: #00ffcc;
        }
        h1 {
            text-align: center;
            color: #f0f0f0;
        }
    </style>
</head>
<body>
    <div class="container">
        <h1>Prime Number Finder</h1>
        <input type="number" id="startNumber" placeholder="Enter
starting number">
        <input type="number" id="endNumber" placeholder="Enter ending
number">
        <button onclick="findPrimes()">Find Prime Numbers</button>
        <div id="primeResult" class="result"></div>
    </div>

    <script>
        function isPrime(num) {
            if (num <= 1) return false;
            for (let i = 2; i <= Math.sqrt(num); i++) {
                if (num % i === 0) return false;
            }
            return true;
        }

        function findPrimes() {
            const start =
parseInt(document.getElementById('startNumber').value);
            const end =
parseInt(document.getElementById('endNumber').value);
            let primes = [];

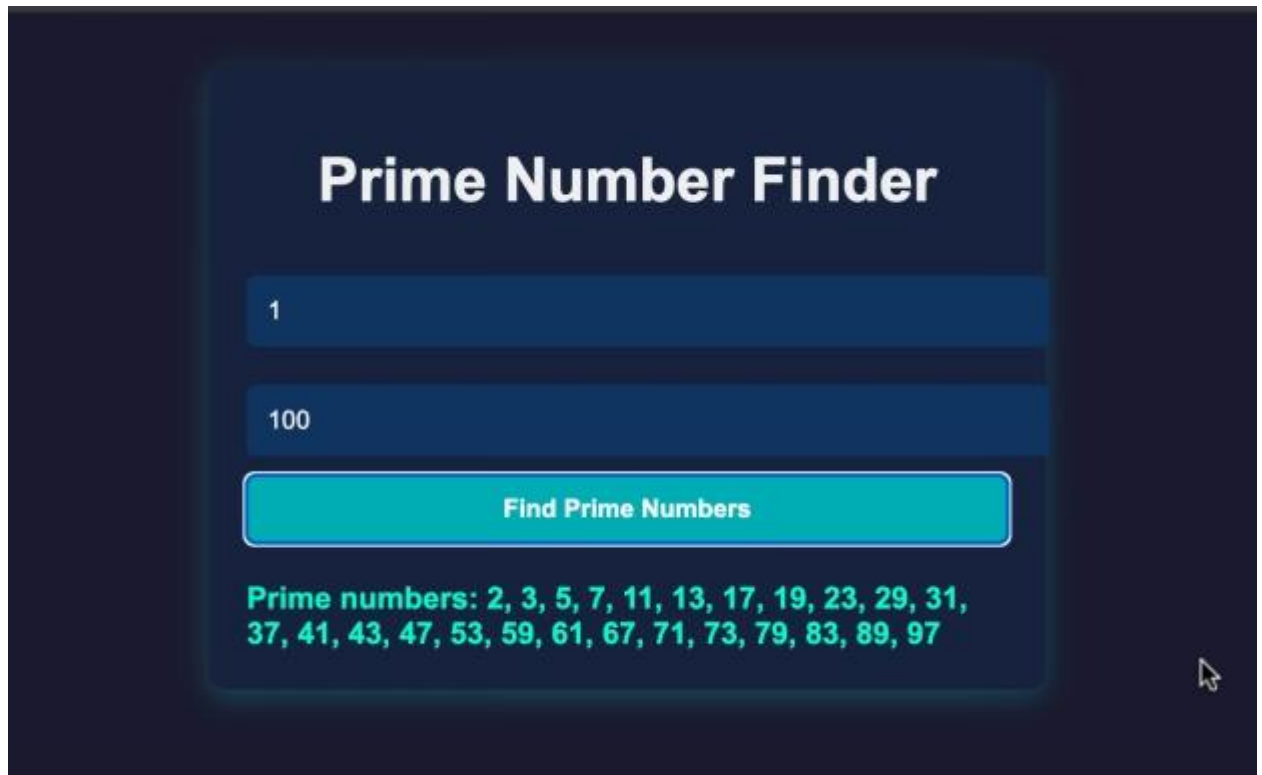
            for (let i = start; i <= end; i++) {
                if (isPrime(i)) {
                    primes.push(i);
                }
            }

            document.getElementById('primeResult').innerText =
                primes.length > 0
                ? `Prime numbers: ${primes.join(', ')}`
                : "No prime numbers found in the range.";
        }
    </script>

```

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

Output:



Exp No:7

Aim:- Write a PHP program to display a digital clock which displays the current time of the server.

```
<!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:



Exp No:8

Aim:- 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>
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](#)

Exp No:9

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:



Exp No:10

Aim:- Write a PHP code to implement AJAX functionality.

```
<!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");

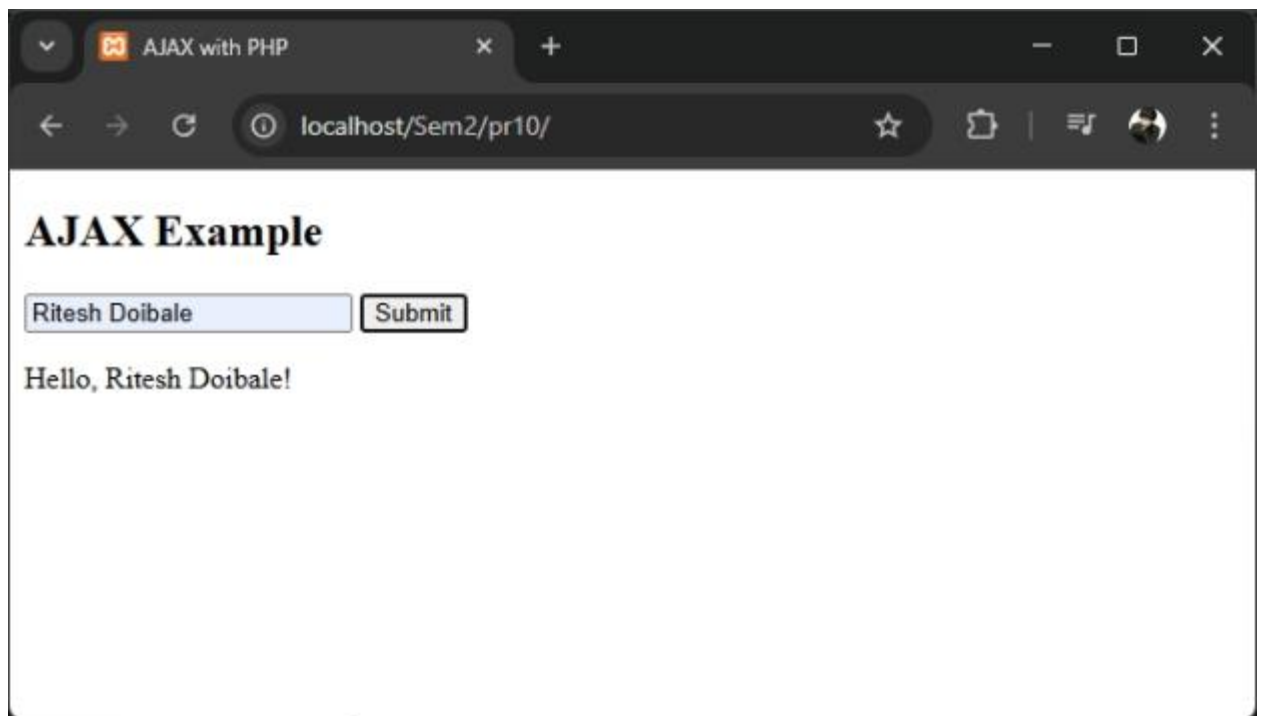
            xhr.onreadystatechange = function() {
                if (xhr.readyState === 4 && xhr.status === 200) {
                    document.getElementById("response").innerHTML =
xhr.responseText;
                }
            };
            xhr.send("name=" + encodeURIComponent(name));
        }
    </script>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

</html>
```

Process.php

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

Output:



Exp No:11

Aim:- Write a PHP program to perform search operation on the student records using AJAX.

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("Responce").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:

PR11

PHP MySQL Select Data Wit

localhost/Sem2/pr11/

Roll no:

201

Search

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

Exp NO:12

Aim:- 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";
}

```

```

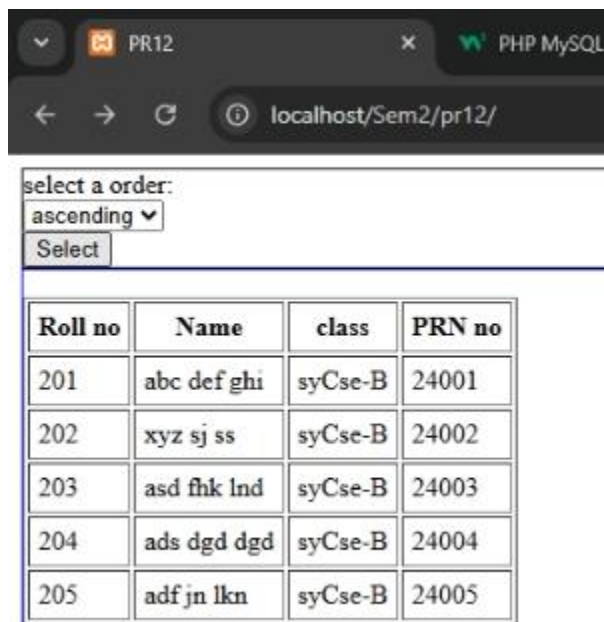
        echo"</table>";

mysqli_close($con);
?>

```

Output:

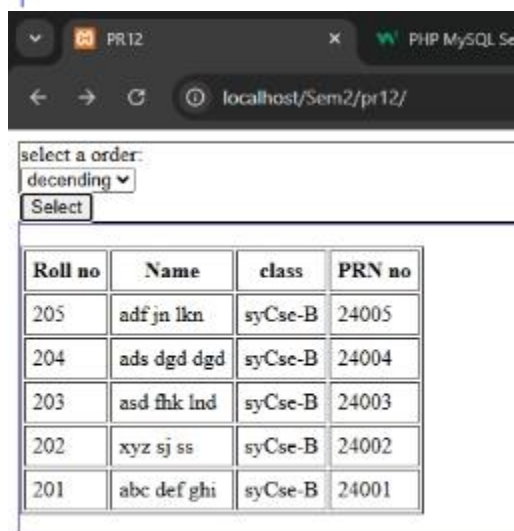
Ascending



The screenshot shows a web browser window with the address bar displaying 'localhost/Sem2/pr12/'. Below the address bar, there is a form with the text 'select a order:' and a dropdown menu set to 'ascending'. A 'Select' button is visible. Below the form, a table displays the data sorted in ascending order by PRN no.

| 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



The screenshot shows a web browser window with the address bar displaying 'localhost/Sem2/pr12/'. Below the address bar, there is a form with the text 'select a order:' and a dropdown menu set to 'decending'. A 'Select' button is visible. Below the form, a table displays the data sorted in descending order by PRN no.

| 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 |