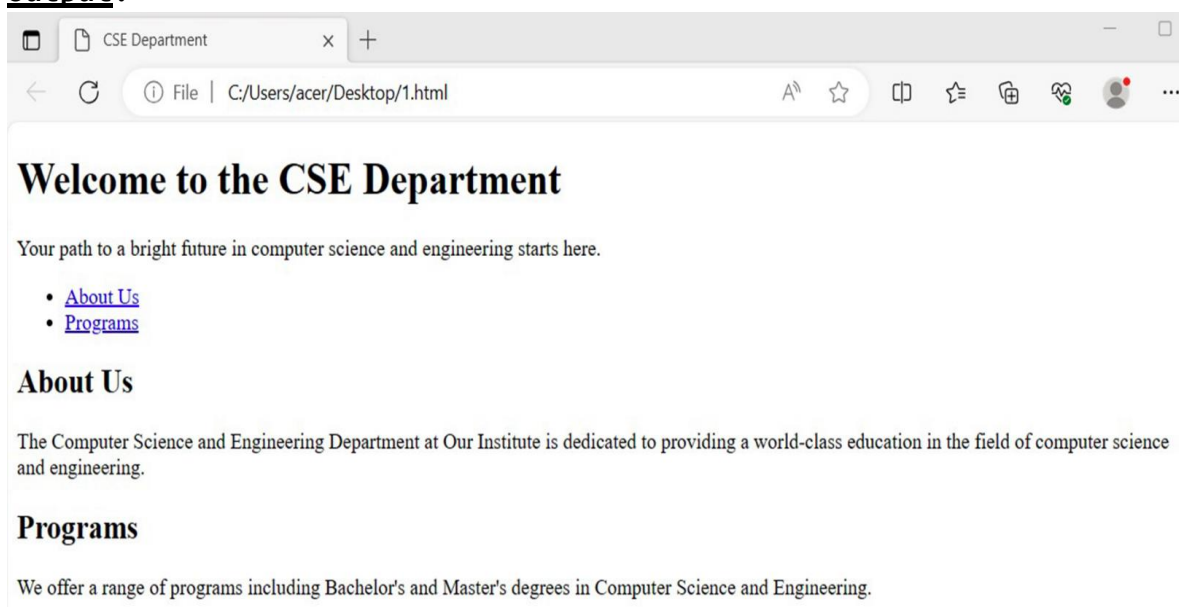


### Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>CSE Department - Our Institute</title>
  </head>
  <body>
    <div style="width: 800px; margin: 0 auto">
      <h1>Welcome to the CSE Department</h1>
      <div style="margin-bottom: 20px">
        <p>Your path to a bright future in computer science and
engineering starts here.</p>
        <ul>
          <li><a href="#about">About Us</a></li>
          <li><a href="#programs">Programs</a></li>
        </ul>
      </div>
      <div id="about" style="margin-bottom: 20px">
        <h2>About Us</h2>
        <p>The Computer Science and Engineering Department at Our
Institute is dedicated to providing a world-class education in the field
of computer science and engineering.</p>
      </div>
      <div id="programs">
        <h2>Programs</h2>
        <p>We offer a range of programs including Bachelor's and Master's
degrees in Computer Science and Engineering.</p>
      </div>
    </div>
  </body>
</html>
```

### Output:



## Source Code:

### 1. Home.html (Main page)

```
<!DOCTYPE html>
<html>
<head> <title>Simple Website - Home</title> </head>
<body>
    <h1>Welcome to My Simple Website</h1>
    <p> <a href="Image.html">Go to Image Page</a><br>
        <a href="Table.html">Go to Table Page</a> </p>
</body>
</html>
```

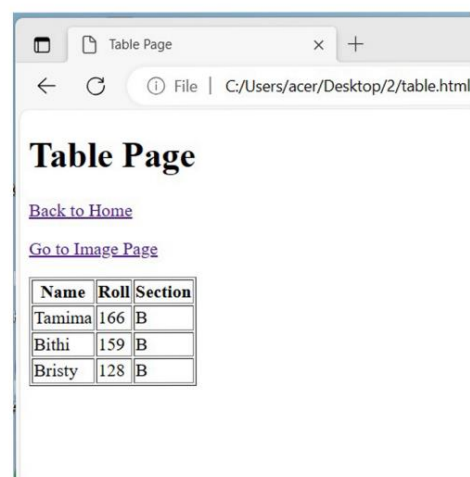
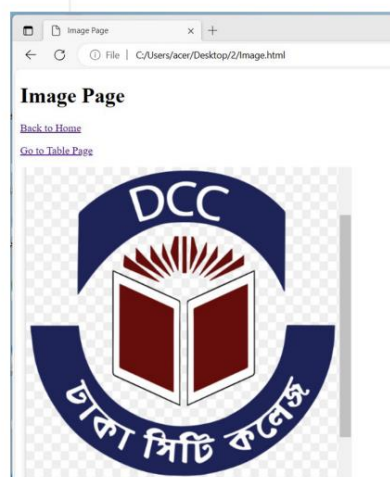
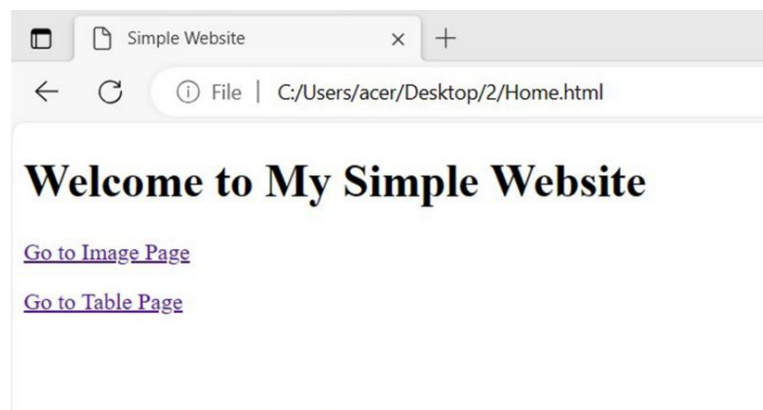
### 2. Image.html (Page with image link)

```
<!DOCTYPE html>
<html>
<head> <title>Image Page</title> </head>
<body>
    <h1>Image Page</h1>
    <p> <a href="Home.html">Back to Home</a><br>
        <a href="Table.html">Go to Table Page</a> </p>
    <h2>DCC</h2>
    <a href="Home.html">  </a>
</body>
</html>
```

### 3. Table.html (Page with 3x4 table)

```
<!DOCTYPE html>
<html>
<head> <title>Table Page</title> </head>
<body>
    <h1>Table Page</h1>
    <p> <a href="Home.html">Back to Home</a><br>
        <a href="Image.html">Go to Image Page</a> </p>
    <table border="1">
        <tr> <th>Name</th> <th>Roll</th> <th>Section</th> </tr>
        <tr> <td>Tamima</td> <td>166</td> <td>B</td> </tr>
        <tr> <td>Student2</td> <td>167</td> <td>B</td> </tr>
        <tr> <td>Student3</td> <td>168</td> <td>B</td> </tr>
    </table>
</body>
</html>
```

## Output:



## Source Code:

### 1. index.html (Main file with internal and inline CSS)

```
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
  <link rel="stylesheet" href="styles.css">
  <style>
    body {
      font-family: Arial, sans-serif;
      max-width: 800px; margin: 0 auto; padding: 20px;}
    h1 {color: #2c3e50; border-bottom: 2px solid #3498db; padding-bottom: 10px;}
    table {width: 100%; margin: 20px 0;}
  </style>
</head>
<body>
  <h1>Welcome to My Website</h1>
  <p>This is a simple website with formatted text, a table, and link styles.</p>
  <table>
    <tr>
      <th style="background-color: #f2f2f2;">Header 1</th> <!-- Inline CSS -->
      <th style="background-color: #f2f2f2;">Header 2</th> <!-- Inline CSS -->
    </tr>
    <tr> <td>Data 1</td> <td>Data 2</td> </tr>
  </table>
  <h3>Visit Example</h3> <hr>
  <div class="file-path">
    <a href="#" class="link-button">Simple Website</a> <span>[x] +</span><br>
    <a href="fnline.html" class="file-link">File</a>
  </div>
</body>
</html>
```

### 2. fnline.html (Secondary page)

```
<!DOCTYPE html>
<html>
<head>
  <title>Second Page</title>
  <link rel="stylesheet" href="styles.css">
  <style> h3 {color: #e74c3c; font-style: italic;} </style>
</head>
<body>
  <h1>Welcome to My Website</h1>
  <p>This is a simple website with formatted text, a table, and link styles.</p>
  <table style="border-collapse: collapse;">
    <tr>
      <th style="padding: 8px; background-color: #f2f2f2;">Header 1</th>
      <th style="padding: 8px; background-color: #f2f2f2;">Header 2</th>
    </tr>
    <tr>
      <td style="padding: 8px;">Data 1</td>
      <td style="padding: 8px;">Data 2</td>
    </tr>
  </table>
  <h3>Visit Example</h3> <hr>
  <div class="file-path">
    <a href="index.html" class="link-button">Simple Website</a> <span>[x] +</span><br>
    <a href="#" class="file-link">File</a>
  </div>
</body>
</html>
```

### 3. styles.css (External CSS file)

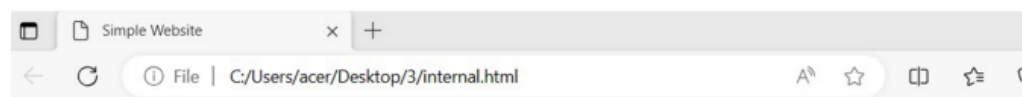
```
.link-button {
  display: inline-block;
  padding: 5px 10px;
  background-color: #3498db;
  color: white;
  text-decoration: none;
```

```

border-radius: 4px;
margin-right: 5px;
}
.link-button:hover { background-color: #2980b9; }
.file-link {
color: #27ae60;
text-decoration: none;
font-weight: bold;
}
.file-link:hover {text-decoration: underline;}
.file-path {
font-family: monospace;
margin-top: 20px;
color: #7f8c8d;
}
hr {
border: 0;
height: 1px;
background-color: #ddd;
margin: 20px 0;
}

```

## Output:



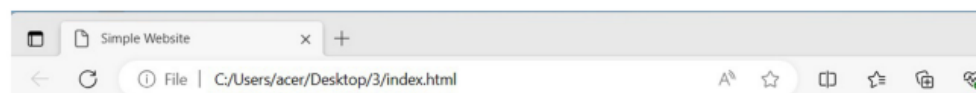
# Welcome to My Website

This is a simple website with formatted text, a table, and link styles.

**Header 1** **Header 2**

Data 1    Data 2

[Visit Example](#)



# Welcome to My Website

This is a simple website with formatted text, a table, and link styles.

Header 1	Header 2
Data 1	Data 2

[Visit Example](#)



# Welcome to My Website

This is a simple website with formatted text, a table, and link styles.

Header 1	Header 2
Data 1	Data 2

[Visit Example](#)

## Source Code:

### 1. index.html (Home)

```
<!DOCTYPE html>
<html>
<head>
  <title>E-SITE | Home</title>
  <style>
    body{font-family:Arial,sans-serif;margin:0;padding:0;line-height:1.6}
    header{background:#333;color:#fff;padding:1rem}
    nav ul{list-style:none;padding:0;margin:0;display:flex}
    nav ul li{margin-right:1rem}
    nav a{color:#fff;text-decoration:none;padding:0.5rem 1rem}
    nav a:hover{background:#555}
    main{padding:2rem}
    footer{background:#333;color:#fff;text-align:center;padding:1rem;position:fixed;bottom:0;width:100%}
    .address{font-family:monospace;background:#f4f4f4;padding:0.5rem;margin-bottom:1rem}
  </style>
</head>
<body>
  <header>
    <nav>
      <ul> <li><a href="index.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li> </ul>
      </nav>
    </header>
    <main>
      <div class="address">127.0.0.1:5500/nav/index.html</div>
      <h1>Welcome to <em>E-SITE</em> home page!</h1>
      <p>Navigate through the website using the navigation links</p>
    </main>
    <footer>
      <a href="index.html"
onmouseover="this.style.color='#ff9900'"onmouseout="this.style.color='#fff'">Return to Home</a>
    </footer>
  </body>
</html>
```

### 2. about.html

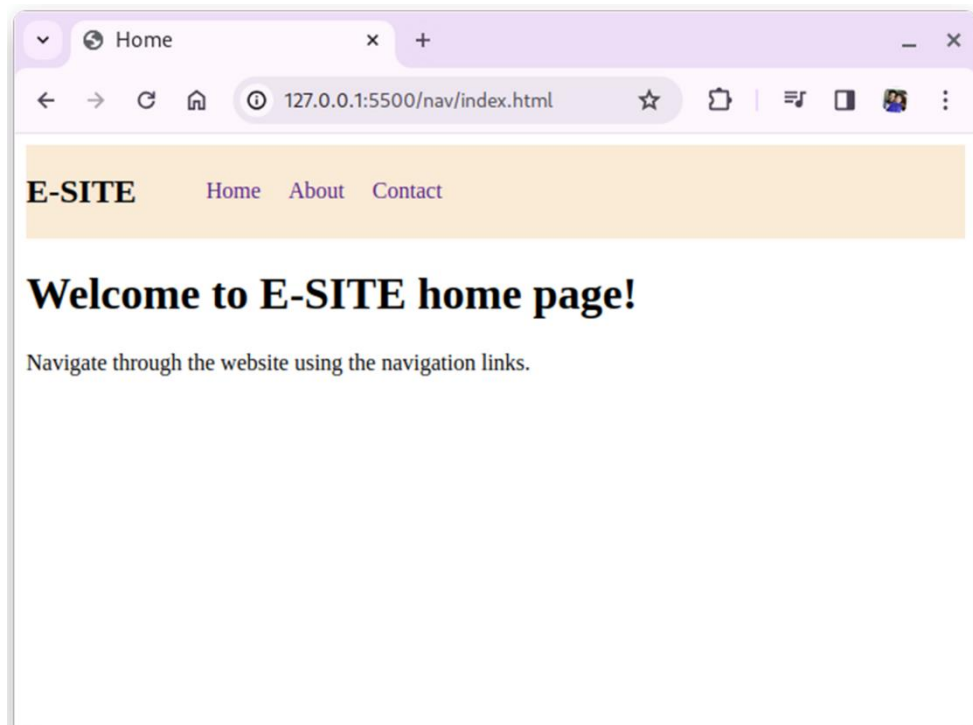
```
<!DOCTYPE html>
<html>
<head>
  <title>E-SITE | About</title>
  <style>
    body{font-family:Arial,sans-serif;margin:0;padding:0;line-height:1.6}
    header{background:#333;color:#fff;padding:1rem}
    nav ul{list-style:none;padding:0;margin:0;display:flex}
    nav ul li{margin-right:1rem}
    nav a{color:#fff;text-decoration:none;padding:0.5rem 1rem}
    nav a:hover{background:#555}
    main{padding:2rem}
    footer{background:#333;color:#fff;text-align:center;padding:1rem;position:fixed;bottom:0;width:100%}
  </style>
</head>
<body>
  <header>
    <nav>
      <ul><li><a href="index.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li> </ul>
      </nav>
    </header>
    <main>
      <h1>About <strong>E-SITE</strong></h1>
      <p>Learn more about our <u>website</u> and its purpose.</p>
    </main>
```

```

    <footer>
      <a href="index.html" onmouseover="this.style.color='#ff9900'"
onmouseout="this.style.color='#fff'">Return to Home</a>
    </footer>
  </body>
</html>
3. contact.html
<!DOCTYPE html>
<html>
<head>
  <title>E-SITE | Contact</title>
  <style>
    body{font-family:Arial,sans-serif;margin:0;padding:0;line-height:1.6}
    header{background:#333;color:#fff;padding:1rem}
    nav ul{list-style:none;padding:0;margin:0;display:flex}
    nav ul li{margin-right:1rem}
    nav a{color:#fff;text-decoration:none;padding:0.5rem 1rem}
    nav a:hover{background:#555}
    main{padding:2rem}
    footer{background:#333;color:#fff;text-
align:center;padding:1rem;position:fixed;bottom:0;width:100%}
  </style>
</head>
<body>
  <header>
    <nav>
      <ul> <li><a href="index.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li> </ul>
      </nav>
    </header>
    <main>
      <h1>Contact <i>E-SITE</i></h1>
      <p>Get in touch with us through various <b>contact</b> methods.</p>
    </main>
    <footer>
      <a href="index.html" onmouseover="this.style.color='#ff9900'"
onmouseout="this.style.color='#fff'">Return to Home</a>
    </footer>
  </body>
</html>

```

### Output:



## Source Code:

### 1. form.php

```
<!DOCTYPE html>
<html>
<head>
<title>Form Submission</title>
<style>
body{font-family:Arial,sans-serif;max-width:600px;margin:0 auto;padding:20px}
.form-group{margin-bottom:15px}
label{display:block;margin-bottom:5px;font-weight:bold}
input,textarea,select{width:100%;padding:8px;border:1px solid #ddd;border-radius:4px}
textarea{height:100px}
button{padding:10px 15px;background:#4CAF50;color:white;border:none;border-
radius:4px;cursor:pointer}
button[type="reset"]{background:#f44336;margin-left:10px}
</style>
</head>
<body>
<h1>User Information Form</h1>
<form action="submit.php" method="post">
<div class="form-group"><label for="name">Name:</label><input type="text" id="name" name="name"
required></div>
<div class="form-group"><label for="email">Email:</label><input type="email" id="email"
name="email" required></div>
<div class="form-group"><label for="message">Message:</label><textarea id="message"
name="message"></textarea></div>
<div class="form-group">
<label>Subscribe to newsletter:</label>
<input type="radio" name="newsletter" value="Yes"> Yes
<input type="radio" name="newsletter" value="No" checked> No
</div>
<div class="form-group">
<label>Interests:</label>
<input type="checkbox" name="interests[]" value="Cricket"> Cricket
<input type="checkbox" name="interests[]" value="Football"> Football
<input type="checkbox" name="interests[]" value="Hockey"> Hockey
</div>
<div class="form-group">
<label>Gender:</label>
<input type="radio" name="gender" value="Male" checked> Male
<input type="radio" name="gender" value="Female"> Female
<input type="radio" name="gender" value="Other"> Other
</div>
<div class="form-group"><label for="password">Password:</label><input type="password"
id="password" name="password" required></div>
<div class="form-group"><button type="submit">Submit</button><button
type="reset">Reset</button></div>
</form>
</body>
</html>
```

### 2. submit.php

```
<?php
$conn = new mysqli('localhost','root','','form_db');
if($conn->connect_error) die("Connection failed: ".$conn->connect_error);
$name = $conn->real_escape_string($_POST['name']);
$email = $conn->real_escape_string($_POST['email']);
$message = $conn->real_escape_string($_POST['message']);
$newsletter = $_POST['newsletter'] ?? 'No';
$interests = implode(", ", $_POST['interests'] ?? []);
$gender = $_POST['gender'] ?? '';
$password = password_hash($_POST['password'],PASSWORD_DEFAULT);
$sql = "INSERT INTO form_data(name,email,message,newsletter,interests,gender,password)
VALUES('$name','$email','$message','$newsletter','$interests','$gender','$password')";
if($conn->query($sql)) header("Location: display.php?id=".$conn->insert_id);
else echo "Error: ".$sql."<br>".$conn->error;
$conn->close();
```

```

?>
3. display.php
<?php
$conn = new mysqli('localhost','root','','form_db');
if($conn->connect_error) die("Connection failed: ".$conn->connect_error);
$id = $_GET['id'] ?? 0;
$result = $conn->query("SELECT * FROM form_data WHERE id=$id");
if($result->num_rows > 0) $row = $result->fetch_assoc();
else die("No record found");
?>
<!DOCTYPE html>
<html>
<head>
<title>Submitted Data</title>
<style>
body{font-family:Arial,sans-serif;max-width:600px;margin:0 auto;padding:20px}
h1{color:#4CAF50}
.data-item{margin-bottom:10px}
.data-label{font-weight:bold}
</style>
</head>
<body>
<h1>Submitted Data:</h1>
<div class="data-item"><span class="data-label">Name:</span>
<?=htmlspecialchars($row['name'])?></div>
<div class="data-item"><span class="data-label">Email:</span>
<?=htmlspecialchars($row['email'])?></div>
<div class="data-item"><span class="data-label">Message:</span>
<?=nl2br(htmlspecialchars($row['message']))?></div>
<div class="data-item"><span class="data-label">Subscribe:</span>
<?=htmlspecialchars($row['newsletter'])?></div>
<div class="data-item"><span class="data-label">Interests:</span>
<?=htmlspecialchars($row['interests'])?></div>
<div class="data-item"><span class="data-label">Gender:</span>
<?=htmlspecialchars($row['gender'])?></div>
<div class="data-item"><span class="data-label">Submission Date:</span>
<?=htmlspecialchars($row['submission_date'])?></div>
</body>
</html>
<?php $conn->close(); ?>

```

## Output:

Name: Sazol Khan  
 Email: mhkha2022@gmail.com  
 Message: This is a test message  
 Subscribe to newsletter: ☒  
 Interests: ☐ Cricket ☒ Football  
 Gender: ☒ Male ☐ Female  
 Password: \*\*\*\*\*  
 Submit

**Submitted Data:**  
**Name:** Sazol Khan  
**Email:** mhkha2022@gmail.com  
**Message:** This is a test message  
**Subscribe to newsletter:** Yes  
**Interests:** Football  
**Gender:** male  
**Password:** 123456



## **Source Code:**

### **1. First, create the database table:**

```
CREATE DATABASE student_grading;
USE student_grading;

CREATE TABLE students (
    id INT AUTO_INCREMENT PRIMARY KEY,
    roll_number INT NOT NULL,
    mark INT NOT NULL,
    gpa VARCHAR(5),
    submission_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

### **2. form.php (Student Input Form)**

```
<!DOCTYPE html>
<html>
<head>
    <title>Student Information Form</title>
    <style>
        body {font-family: Arial, sans-serif; max-width: 500px; margin: 20px auto; padding: 20px;}
        h1 { color: #2c3e50; text-align: center; }
        .form-group { margin-bottom: 15px; }
        label { display: inline-block; width: 120px; font-weight: bold; }
        input { padding: 8px; width: 100px; }
        button {padding: 8px 15px; background: #3498db; color: white; border: none; border-radius: 4px;}
    </style>
</head>
<body>
    <h1>Student Information Form</h1>
    <form action="process.php" method="post">
        <div class="form-group">
            <label for="roll">Roll Number:</label>
            <input type="number" id="roll" name="roll" required>
        </div>
        <div class="form-group">
            <label for="mark">Mark:</label>
            <input type="number" id="mark" name="mark" min="0" max="100" required>
        </div>
        <button type="submit">Submit</button>
    </form>
</body>
</html>
```

### **3. process.php (Process and Store Data)**

```
<?php
$conn = new mysqli('localhost', 'root', '', 'student_grading');
if ($conn->connect_error) die("Connection failed: " . $conn->connect_error);

$roll = $conn->real_escape_string($_POST['roll']);
$mark = $conn->real_escape_string($_POST['mark']);
if ($mark >= 80) $gpa = "A+";
elseif ($mark >= 70) $gpa = "A";
elseif ($mark >= 60) $gpa = "A-";
elseif ($mark >= 50) $gpa = "B";
elseif ($mark >= 40) $gpa = "C";
else $gpa = "D";
$sql = "INSERT INTO students (roll_number, mark, gpa) VALUES ('$roll', '$mark', '$gpa')";
if ($conn->query($sql) { header("Location: result.php"); }
else { echo "Error: " . $sql . "<br>" . $conn->error; }
$conn->close();
?>
```

### **4. result.php (Display Results)**

```
<?php
$conn = new mysqli('localhost', 'root', '', 'student_grading');
if ($conn->connect_error) die("Connection failed: " . $conn->connect_error);
$result = $conn->query("SELECT * FROM students ORDER BY roll_number");
?>
```

```

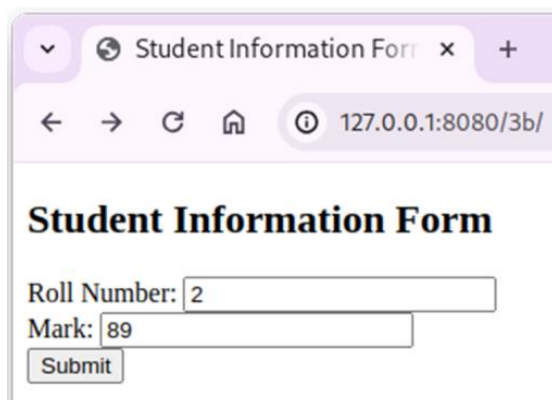
<!DOCTYPE html>
<html>
<head>
    <title>Student Results</title>
    <style>
        body { font-family: Arial, sans-serif; max-width: 600px; margin: 20px auto; padding: 20px;
    }

    h1 { color: #2c3e50; text-align: center; }
    table { width: 100%; border-collapse: collapse; margin-top: 20px; }
    th, td { padding: 10px; text-align: left; border-bottom: 1px solid #ddd; }
    th { background-color: #3498db; color: white; }
    .address { font-family: monospace; background: #f4f4f4; padding: 5px; margin-bottom: 20px;
}

    </style>
</head>
<body>
    <div class="address">127.0.0.1:8080/3b/result.php</div>
    <h1>Student Results</h1>
    <table>
        <tr>
            <th>Roll</th>
            <th>Mark</th>
            <th>GPA</th>
        </tr>
        <?php while($row = $result->fetch_assoc()): ?>
            <tr>
                <td><?= htmlspecialchars($row['roll_number']) ?></td>
                <td><?= htmlspecialchars($row['mark']) ?></td>
                <td><?= htmlspecialchars($row['gpa']) ?></td>
            </tr>
        <?php endwhile; ?>
    </table>
</body>
</html>
<?php $conn->close(); ?>

```

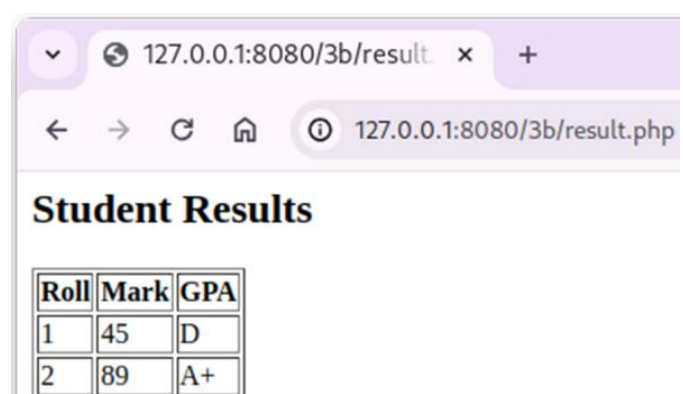
### Output:



**Student Information Form**

Roll Number:

Mark:



**Student Results**

Roll	Mark	GPA
1	45	D
2	89	A+

## Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Personal Information Form</title>
  <style>
    body { font-family: Arial, sans-serif; max-width: 500px; margin: 20px auto; padding: 20px; }
    h1 { color: #2c3e50; text-align: center; }
    .form-group { margin-bottom: 15px; }
    label { display: block; margin-bottom: 5px; font-weight: bold; }
    input, select, textarea { width: 100%; padding: 8px; border: 1px solid #ddd; border-radius: 4px; }
    .error { color: red; font-size: 12px; margin-top: 5px; }
    button { padding: 10px 15px; background: #3498db; color: white; border: none; border-radius: 4px;
cursor: pointer; }
  </style>
</head>
<body>
  <h1>Personal Information</h1>
  <form id="personalForm" onsubmit="return validateForm()">
    <div class="form-group">
      <label for="name">Full Name*</label>
      <input type="text" id="name" name="name">
      <div id="nameError" class="error"></div>
    </div>
    <div class="form-group">
      <label for="email">Email*</label>
      <input type="text" id="email" name="email">
      <div id="emailError" class="error"></div>
    </div>
    <div class="form-group">
      <label for="mobile">Mobile Number*</label>
      <input type="text" id="mobile" name="mobile" maxlength="11">
      <div id="mobileError" class="error"></div>
    </div>
    <div class="form-group">
      <label for="gender">Gender*</label>
      <select id="gender" name="gender">
        <option value="">Select Gender</option>
        <option value="male">Male</option>
        <option value="female">Female</option>
        <option value="other">Other</option>
      </select>
      <div id="genderError" class="error"></div>
    </div>
    <div class="form-group">
      <label for="address">Address</label>
      <textarea id="address" name="address" rows="3"></textarea>
    </div>
    <button type="submit">Submit</button>
  </form>
  <script>
    function validateForm() {
      document.querySelectorAll('.error').forEach(el => el.textContent = '');
      let isValid = true;
      const name = document.getElementById('name').value.trim();
      if (name === '') {
        document.getElementById('nameError').textContent = 'Name is required';
        isValid = false;
      }
      const email = document.getElementById('email').value.trim();
      const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
      if (email === '') {
        document.getElementById('emailError').textContent = 'Email is required';
        isValid = false;
      } else if (!emailRegex.test(email)) {
        document.getElementById('emailError').textContent = 'Invalid email format';
        isValid = false;
      }
      const mobile = document.getElementById('mobile').value.trim();
      const mobileRegex = /^[0-9]{11}$/;
      if (mobile === '') {
        document.getElementById('mobileError').textContent = 'Mobile number is required';
        isValid = false;
      } else if (!mobileRegex.test(mobile)) {
        document.getElementById('mobileError').textContent = 'Mobile must be 11 digits';
      }
    }
  </script>
</body>
</html>
```

```
        isValid = false;
    }
    const gender = document.getElementById('gender').value;
    if (gender === '') {
        document.getElementById('genderError').textContent = 'Gender is required';
        isValid = false;
    }
    return isValid;
}
</script>
</body>
</html>
```

### Output:

## Personal Information

**Full Name\***

**Email\***

**Mobile Number\***

**Gender\***

Select Gender ▼

**Address**

Submit

## Source Code:

```
<!DOCTYPE html>
<html>
<head>
<title>JavaScript Actions</title>
<style>
  body { font-family: Arial; max-width: 600px; margin: 0 auto; padding: 20px; }
  button { padding: 8px; margin: 5px 0; } </style> </head>
<body>
<h1>JavaScript Event Examples</h1>
<div>
  <h3>1. Change Text</h3>
  <p id="textTarget">Original text</p>
  <button onclick="document.getElementById('textTarget').textContent='Text changed!'">Change Text</button>
</div>
<div>
  <h3>2. Change Color</h3>
  <p id="colorTarget">Color will change</p>
  <button onclick="document.getElementById('colorTarget').style.color='red'">Make Red</button>
</div>
<div>
  <h3>3. Remove Element</h3>
  <p id="removeTarget">This will be removed</p>
  <button onclick="document.getElementById('removeTarget').remove()">Remove It</button>
</div>
<div>
  <h3>4. Add New Element</h3>
  <div id="addTarget"></div>
  <button onclick="const p=document.createElement('p');p.textContent='New item added!';document.getElementById('addTarget').appendChild(p)">Add Element</button>
</div>
<div>
  <h3>5. Mouse Events</h3>
  <div id="mouseTarget" onmouseover="this.style.backgroundColor='yellow'"
onmouseout="this.style.backgroundColor='white'" style="padding:10px;border:1px solid #ccc;width:200px;"> Hover
over me </div>
</div>
<div>
  <h3>6. Double Click</h3>
  <p ondblclick="alert('Double clicked!')">Double click here</p>
</div>
</body>
</html>
```

## Output:

### JavaScript Event Examples

#### 1. Change Text

Original text

Change Text

#### 2. Change Color

Color will change

Make Red

#### 3. Remove Element

This will be removed

Remove It

#### 4. Add New Element

Add Element

#### 5. Mouse Events

Hover over me

#### 6. Double Click

Double click here

### JavaScript Event Examples

#### 1. Change Text

Text changed!

Change Text

#### 2. Change Color

Color will change

Make Red

#### 3. Remove Element

Remove It

#### 4. Add New Element

New item added!

Add Element

#### 5. Mouse Events

Hover over me

#### 6. Double Click

Double click here