

**NATIONAL UNIVERSITY OF MODERN LANGUAGES,
ISLAMABAD**



Web Engineering - Lab

Lab # 8

Submitted By

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Submitted To

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Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Area and Perimeter Calculator</title>
</head>
<body>
  <h1>Rectangle Calculator</h1>
  <div class="container">
    <!-- HTML form for input -->
    <form method="post" action="<?php echo $_SERVER["PHP_SELF"]; ?>">
      <label for="length">Length:</label>
      <input type="text" name="length" id="length" required>
      <br><br>
      <label for="width">Width:</label>
      <input type="text" name="width" id="width" required>
      <br><br>
      <button type="submit">Calculate</button>
    </form>
    <?php
    // Check if form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
      // Retrieve values from the form
      $length = $_POST["length"];
      $width = $_POST["width"];

      // Validate numeric inputs
      if (is_numeric($length) && is_numeric($width)) {
        // Calculate area and perimeter
        $area = $length * $width;
        $perimeter = 2 * ($length + $width);
        // Display results
        echo "<h2>Results</h2>";
        echo "<p>Length: $length units</p>";
        echo "<p>Width: $width units</p>";
        echo "<p>Area: $area square units</p>";
        echo "<p>Perimeter: $perimeter units</p>";
      } else {
        // Display error message for non-numeric inputs
        echo "<p>Please enter valid numeric values for length and width.</p>";
      }
    }
    ?>
  </div>
</body>
</html>
```

Output

Rectangle Calculator

Length:

Width:

Calculate

Rectangle Calculator

Length:

Width:

Calculate

Results

Length: 12 units

Width: 34 units

Area: 408 square units

Perimeter: 92 units

Rectangle Calculator

Length:

Width:

Calculate

Please enter valid numeric values for length and width.