## **NATIONAL UNIVERSITY OF MODERN LANGUAGES, ISLAMABAD**

## NUML logo, Vector Logo of NUML brand free download (eps, ai, png, cdr ...

**Web Engineering - Lab**

**Lab # 8**

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# **Date: 16/12/2023**

**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>";

 }

 }

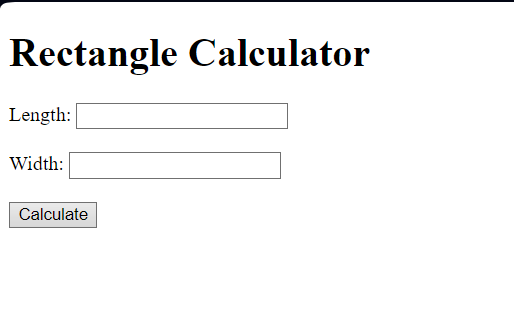
 ?>

</div>

</body>

</html>

**Output**

 A calculator with a rectangle and numbers

Description automatically generated 