**Multipurpose Calculator Application**

**Project Overview**

The objective of this project is to use PHP to create a flexible calculator application that can perform intricate mathematical calculations in addition to fundamental arithmetic operations. The following operations will be supported by the calculator:

* Addition
* Subtraction
* Multiplication
* Division
* Exponentiation
* Percentage calculations
* Square roots
* Logarithms

**Implementation Approach**

1. **Web Form Interface:**
   * Create an HTML form to input numerical values and select the desired operation.
   * Use PHP to handle form submissions and perform the calculations.
   * Display the result on the same page.
2. **PHP Scripts for Calculations:**
   * Implement separate PHP functions for each operation.
   * Use the $\_POST super global to retrieve user inputs from the form.
   * Validate the inputs to ensure they are numerical and handle any errors gracefully.
3. **Styling:**
   * Add basic CSS to improve the user interface and make it more user-friendly.