**Assignment-1**

**Basic Variables and Arithmetic Operations:**

**Question:** Create a simple Java program to calculate the area and perimeter of a rectangle.

1. Define two variables, length and width as double types.
2. Prompt the user to input values for length and width
3. Calculate and display:
   * The area of the rectangle (length\*width)
   * The perimeter of the rectangle (2\* (length+width))

Write the Java code with comments explaining each part of the program, including variable declarations, calculations, and displaying output.