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\* Unit 3 Activity 5 Program/Question 1

\* This program calculates the area and perimeter of a rectangle

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import javax.swing.JOptionPane;

public class rectanglecalculator

{

public static void main(String[] args)

{

//Variable Declarations and Initializations

String sLength = null, sWidth = null;

double length = 0, width = 0;

sLength = JOptionPane.showInputDialog(null,"Enter the rectangle length", "NUMBER INPUT", JOptionPane.QUESTION\_MESSAGE);

length = Double.parseDouble(sLength);

sWidth = JOptionPane.showInputDialog(null,"Enter the rectangle width", "NUMBER INPUT", JOptionPane.QUESTION\_MESSAGE);

width = Double.parseDouble(sWidth);

double perimeter = length + length + width + width;

double area = length \* width;

System.out.println("Welcome to the 'Rectangle Calculations' Program\n");

System.out.println("The rectangle's length is " + length);

System.out.println("The rectangle's width is " + width);

System.out.println("The rectangle's perimeter is " + perimeter + " and the area is " + area);

}//end main

}//end class