ICS 140 Computational Thinking with Programming

Assignment 2

For the problem below, complete the following steps:

* Find the inputs, outputs and processing steps and store them in the table below.
* Create test cases with expected results based on example input
* Create Pseudocode for the example program
* Create Python Code
* Show Test Results

Design a program that processes information related to a rectangle and

prints/displays the computed values. The program reads in the values of the width and

length. The program then prints the area of the rectangle and the length of the perimeter.

|  |  |  |
| --- | --- | --- |
| **Inputs** | **Outputs** | **Processing** |
| Length and width | Length and width  Perimeter and area | Parameter and area |
|  |  |  |

**Test Case 1**

**Example Input**

Input length

Input width

Print length and width

Parmeter = length\*2 + width\*2

Area = length \* width

**Expected Output:**

Length and width display

Parameter

Area

**Test Results**

**A screenshot of a computer program

Description automatically generated**