

# Getting Started with Python

## Assignment

This assignment tests your understanding of Python syntax, semantics, and basic programming concepts.

### **Task:**

Write a Python program that calculates the area and perimeter of a rectangle.

### **Requirements:**

- Prompt the user to enter the rectangle's length and width.
- Use appropriate data types to store the user's input.
- Calculate the area (length x width) and perimeter ( $2 \times \text{length} + 2 \times \text{width}$ ).
- Display the calculated area and perimeter with clear labels for the user.

### **Bonus:**

- Modify the program to allow the user to enter values for both the length and width until they enter 'q' to quit.

### **This assignment will help you practice:**

- Python syntax, including variables, data types, input/output, and operators.
- Basic programming concepts like calculations and user interaction.
- The fundamental logic behind working with rectangles in Python.

### **Tips:**

- Remember to use proper indentation in Python, as it defines code blocks.
- Use clear variable names to improve readability.
- Test your program with different input values to ensure it works correctly.

### **Submission:**

Submit your Python code file.