

# Python – Perimeter

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## Purpose

This lab was designed to teach you how to implement a function and invoke it to output the result.

## Description

Write a function called *rectangle\_perimeter()* that takes two arguments, length, and width of a rectangle, and returns the perimeter. Be sure to document the method. The formula for the perimeter of a rectangle is below. The default values are 1 and 2 for length and width respectively.

$$P = 2L + 2W$$

Use proper structure in your program by using a main method.

```
def main():  
    # call the perimeter function and output the results  
  
if __name__ == "__main__":  
    main()
```

## Program Shell

Create a file called perimeter.py

## Sample Data

```
2 6  
12 5  
131 75  
20 25  
9 256  
# invoke with no arguments  
36 72
```

## Sample Execution

```
The perimeter is :: 16  
The perimeter is :: 34  
The perimeter is :: 412  
The perimeter is :: 90  
The perimeter is :: 530  
The perimeter is :: 6  
The perimeter is :: 216
```