

# Python Programming

## Loops (Repetition)

**Purpose:** Use simple loops for calculation

Use the standard process for writing code. Include the results of each step of the process (analysis, specification, design) as comments in your Python code. Use the standard python header.

Test your code carefully with a good sample of different input values. No points for a program that does not compile in the standard Python as used in class. Submit the final .py file on time.

Your code will get an input number from the user (positive number) and then calculate the sum of the numbers from 1 up to (and including) that number.

**Please use some form of python loop, not the closed formula  $(n*(n+1)/2)$**

Write a complete Python program to do the following:

1. Greet the user and explain what the program will do.
2. Input from the user a positive number
3. Print out a description of what you calculated and the answer.

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