

Course: Introduction to Programming Using Python

Module 2. Loops. Part 5

Task 1

The user types in two numbers. Find the sum and average of numbers in the specified range.

Task 2

The user types in a number. Calculate the factorial of a number. For instance, if the user typed in 3, the factorial is $1*2*3 = 6$

The formula for calculating the factorial: $n! = 1*2*3*...*n$, where n is the user-defined number.

Task 3

The user types in the line length. Print a horizontal line made out of * of the specified length.

For instance, if the typed in number is 7, the output will be as follows: `*****`.

Task 4

The user types in the length of a line and a symbol to fill the line. Print a horizontal line made out of the typed in symbol of the specified length.

If the typed in number and symbol are 5 and `&`, the output will be as follows: `&&&&&`.