Course: Introduction to Programming Using Python

Module 4. Functions. Part 1

Task 1

Write a function that prints formatted text given below:

"Don't let the noise of others' opinions
drown out your own inner voice."
Steve Jobs

Task 2

Write a function that takes two numbers as a parameter and displays all odd numbers in between.

Task 3

Write a function that prints a horizontal or vertical line made out of some symbol. The function takes the following as a parameter: the line's length, direction, symbol.

Task 4

Write a function that returns the greatest of four numbers. Numbers are passed as parameters.

Task 5

Write a function that returns the sum of numbers in a specified range. The start and end points of the range are passed as parameters.

Task 6

Write a function that checks if a number is prime. The number is passed as a parameter. If the number is prime, return true, otherwise false.

Task 7

Write a function that checks if a six-digit number is lucky. The number is passed as a parameter. If the number is lucky, return true, otherwise false.

A lucky six-digit number is a number with the sum of its first three digits being equal to the sum of its last three digits. For example, 123420 is a lucky number because 1+2+3 = 4+2+0, and 723422 is not because 7+2+3 != 4+2+2.