Course: Introduction to Programming Using Python

Module 4. Functions.
Part 1

Task 1

Write a function that prints formatted text given below:

"Don't compare yourself with anyone in this world…
if you do so, you are insulting yourself."
Bill Gates

Task 2

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

Task 3

Write a function that prints an empty or solid square made out of some symbol. The function takes the following as parameters: the length of the side of the square, a symbol, and a boolean variable:

- if it is True, the square is solid;
- if False, the square is empty.

Task 4

Write a function that returns the smallest of five numbers. Numbers are passed as parameters.

Task 5

Write a function that returns the product of numbers in a specified range. The start and end points of the range are passed as parameters. If the order of these points is incorrect (e.g., 5 is the end, and 25 is the start), swap them.

Task 6

Write a function that counts how many digits a number has. The number is passed as a parameter. Return the received number of digits from the function. For example, if the passed number is 3456, it has 4 digits.

Task 7

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

A palindrome is a number which reads the same backward as forward. For instance, 123321 is a palindrome, 546645 is a palindrome, but 421987 is not.