Sistemas Informáticos (Computer Systems)  
Scripting in Python 05. Activities 01

short line

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Scripting in Python - Part 05

# Previous information

The objective of this unit is to use functions properly.

# Exercise 01

Write a program [t](https://en.wikipedia.org/wiki/Prime_number)hat shows multiply tables. It has to use a function multiply(x) and it will print multiply table of x.

# Exercise 02

Write a program and related functions that read 3 numbers and tell maximum and minimum. You have to write and use functions maximum(a,b,c) and minimum(a,b,c).

# Exercise 03

Write a program that calculates if a number is prime or not. It has to use a function prime(x) that return true if x is prime, false if it is not.

Prime definition can be found in <https://es.wikipedia.org/wiki/N%C3%BAmero_primo>

# Exercise 04

Write a Python function to sum every element from a list. Function should be similar to “sumatodo(lista)”.

# Exercise 05

Write a Python function that checks whether a passed string is palindrome or not. Function should be similar to “palindrome(word)”

Note: A palindrome is a word, phrase, or sequence that reads the same backward as forward, e.g., *madam*.

# Exercise 06

Create a program that asks infinitely (until “END” is written) for the name of a folder. Before the folder is created, the name has to be preprocessed by a function. This function adds a “\_SI” suffix and a two-digit numerical prefix starting with 00 are added to it

Example:

Directory name: Task

Creating directory: 00\_Task\_SI

Directory name: Draw

Creating directory: 01\_Draw\_SI

Directory name: END

# Exercise 07

Create a program that, from a number N and a name S, creates a tree of N folders with the name S. Each folder must be created with a function that creates a single folder.

Example:

Tree depth: 3

Directory name: Task

Creating directory: Task

Creating directory: Task/Task

Creating directory: Task/Task/Task