# **BDA2324**

Lesson 2: Python Warmup Excercises

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#### Instructions

- 1. Create a new Colab Notebook named 'BDA2324 Practice'.
- The notebook should contain the Python code required to solve the following exercises. Make sure to use a different cell for each solution.
- 3. Once you have completed the exercises, share your notebook with me at the following email address: umberto.ferraro@uniroma1.it.

Given an input string in the format 'hh:mm:ss', your task is to display on screen the corresponding number of seconds.

Example:

Input: '00:02:3'

Output: Result is 123

Given an input string reporting a number of seconds, your task is to display on screen the corresponding timestamp in the format 'hh:mm:ss'.

# Example:

Input: '123'

Output: Result is '00:02:03'

Write a Python script to compare two string variables, s1 and s2. The script will count and display on screen the number of positions at which the corresponding characters in these two strings are the same.

### **Example:**

Input: S1 = house, S2 = home

Output: Result is 2

The following instructions generate a random number in the interval (1,10). Use it to write a Python script where the user is asked to guess the generated number. The user will be prompted to provide her guess in a loop until the right value is guessed or a certain condition is met (e.g., exiting the game with a guess of 0). import random

generated\_number = random.randint(1, 10)

# Example:

Guess the number: 3

Wrong

Guess the number: 2

Wrong

Guess the number: 7

Correct