



# **Python Case Study Basic Calculator WEEK 1**



**Data Science  
Academy**

**CASE STUDY**



You are asked to create calculator by answering following tasks:

1. Create a function called **"addition\_2number"** that takes two input numbers from user and returns sum and count of them.
2. Create a function called **"addition"** that can add two or more numbers till user enters zero and returns answer and count of input numbers in a list.
3. Create a function called **"subtraction"** that can subtract two or more numbers till user enters zero and returns answer and count of input numbers in a list.
4. Create a function called **"multiplication"** that can multiply two or more numbers till user enters zero and returns answer and count of input numbers in a list.
5. Create a function called **"average"** that returns mean of **"addition"** function.
6. Create a simple calculator that asks user to perform operations among created functions.
7. Write a Python program to find intersection of two given arrays using **lambda**.
8. Write a Python program to add two given lists using **map** and **lambda**.
9. Write a Python program that stores numbers in a list which are divisible by nineteen or thirteen from a given list.