Exercises 2

Please submit your answer file (containing screenshots of codes and their results) to the Google classroom before 1:00 PM Monday (October 3rd).
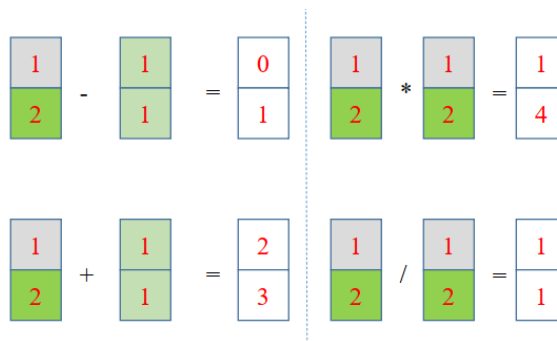
Student Information:

    Full name   : ....

    Student ID : ....
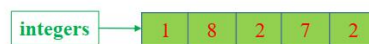
Question 1:

Write functions to compute addition, subtraction, division, and multiplication between two arrays

Question 2:

Write four functions to compute average, min, max for an array, and check if an array contains a value, as described in the following figure

Calculate the average of an array

average(**integers**) → 4

Find the maximum value of an array

max(**integers**) → 8

Check if an array contains a specific value

check(**integers, 8**) → true

check(**integers, 9**) → false

Find the minimum value of an array

min(**integers**) → 1

Question 3

Write clip() and hstack() functions to clip values of an array and to stack horizontally two arrays

clip()

	<3	<3					>6	>6
data	1	2	3	4	5	6	7	8

clip(data, a_min=3, a_max=6)

result	3	3	3	4	5	6	6	6

hstack()

arr_1	1	2	3

arr_2	4	5	6

hstack((arr_1, arr_2))

result	1	2	3	4	5	6