EXERCISE 1

- Input a text in the console.
- Check if the text contains only sorted digits (from lowest to highest values)
- If so, write SORTED, otherwise write NOT SORTED

Q1: What will be the **result** for these outputs?

Input	Output
489	SORTED
4762	NOT SORTED
12	SORTED
1268	
1896	
1536	
2789	

Q2: How many parts can you divide the problem into? Individual work.

Q3: Create the flowchart structure of your algorithm. Team (3 students) work.

Q4: Implement your code. Team (3 students) work.

Q5: Execute it in a table of execution. Team (3 students) work.

EXERCISE 2

- Input a text in the console.
- Control that the text is owning only "abc" pattern.
    - Print “OK” if so
    - Otherwise, print “WRONG”

Q1: What will be the **result** for these outputs?

Input	Output
abcd	WRONG
abcabc	OK
abc	OK
aabc	
abbc	
abcabcab	
abcdefg	

Q2: Create your flowchart structure with black boxes.

- Each student has to create his own.
- Share the result in group of 3.

Q3: Implement it in Python. In group of 3.

Q4: Fill up the execution table. In group of 3.

Step	Variable 1	Variable 2	Variable 3
1			
2			
…			

Q5: Present your flowchart structure to the class. In group of 3.

EXERCISE 3

- Input a text in the console.
- Check that the text:
  - Has only *y*, between square brackets (need open AND close brackets).
  - Otherwise has *x*
- If the text is correct
  - Print “OK”
  - Otherwise, print “WRONG”

Q1: What will be the **result** for these outputs? Individual work

Input	Output
xxx[yyy]xxx	Ok
[yyy]xxx	OK
xxx[yyy	WRONG
xxxy	
[yy]	
xxx[yxyy]xxx	
xxxxx	

Q2: Which main instruction can solve the problem? What will it be used for? Group of 3 students.

Q3: Create a code to solve this problem. Group of 3 students.

Q4: Present your solution to the class. Group of 3 students.