EXERCISE 1

text = "goodMorning"

Q1 – Execute these codes.

Code	Result
text[2]	
print(text[-2])	
print(text[1:2])	
print(text[:4])	

EXERCISE 2

- Input text in the console
- Print index of the first letter "O"
  - If no O, write -1

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

Input	Output
goodMorning	
Hello	
Rady	

Q2 – Analyze **the symbols** you need to solve this problem.

Element		Do you need it?	For what?
Action			
Decision			
Repeat			
Input / Output			

Q4

- Propose **two different ways** to solve this problem
- Create two flowcharts
- Analyze what are the **advantages of each** of your solutions.

EXERCICE 3

- Input two words in the console
- A number: the sum of uppercases in word1 + word2.

Input	Output	Explanation
aaBDcc abcDE	4	*2 uppercases ("B" and "D") in word1 and 2 updaters ("D" and "E") in word2*
aaZZD SccDb	5	*3 uppercases ("Z" and "D") in word1 and 2 updaters ("S" and "D") in word2*
azerty qwerty	0	

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

Input	Output
QZSd sDFz	
Asdcv wxsdE	
ASDX wse	

Q2 – Create a flowchart to solve this problem.

- For this question, you **cannot not** use the **repeat** block
- You can only use the 3 other blocs: Action, Decision, Input / Output

EXERCISE 4

- Input text in the console
- Print index of the LAST letter "K"
- If no K, write -1

Q1 – Complete the test cases.

Input	Output
DDKDDDKE	6
DDKDDD	2
K	0
AA	-1
xxKK	
xKKK	
KKKK	

Q2 – What is the bug on this code?

```
text = input()
result = -1
is_finished = False
for index in range(len(text)) :
    letter = text[index]
    if letter == "K" and is_finished:
        result = index
        is_finished = True
print(result)
```

Q4 – To find the bug, test this code and check if the output is correct.

INPUT	OUTPUT
KK	
KKK	

Q4 – Correct the code from question 2 to fix the bug.