709. To Lower Case

Implement function ToLowerCase() that has a string parameter str, and returns the same string in lowercase.

Example 1:

Input: "Hello"

Output: "hello"

Example 2:

Input: "here"

Output: "here"

Example 3:

Input: "LOVELY"

Output: "lovely"

Solution:

Time complexity: O(n)

Space complexity: O(n)

class Solution:

def toLowerCase(self, str: str) -> str:

if not str:

return str

result = ""

for char in str:

if(char >= "A" and char <="Z"):

# result += chr(ord(char) + 32)

result += chr(ord(char) - ord("A") + ord("a"))

else:

result += char

return result