Recall the following recursive function, reverser(), that reverses a string.

Graphical user interface, text, application

Description automatically generated

**Discussion 1**

Based on the reverser() function that we already know, develop a function called reverseAndRepeat(a\_str, num) that reverses the a\_str string and repeats each character in a\_str for num times. For example,

myStr = “ABC”

str1 = reverseAndRepeat(myStr, 2)  
str2 = reverseAndRepeat(myStr, 3)  
  
print(str1) **# CCBBAA**print(str2) **# CCCBBBAAA**

**Discussion 2**

Based on the reverser() function that we already know, develop a function called reverseAndOppositeCase(a\_str) that reverses the a\_str string and changes each character to its opposite case. For example,

myStr = “AbCdE”

str1 = reverseAndOppositeCase(myStr)  
  
print(str1) **# eDcBa**

**Discussion 3**

Based on the reverser() function that we already know, develop a function called symmetricString(a\_str) that makes a symmetric string, in which a\_str is its prefix. For example,

myStr = “AbCdE”

str1 = symmetricString(myStr)  
  
print(str1) **# AbCdEEdCbA**