Python

Elements of the language

- Functions
- While and for loops
- Lists

def my_range(start: int, end: int, step: int) -> list

Insert an element into and array

Given two strings, write a method to decide if one is a permutation of the other.

Implement a method to perform basic string compression using the counts of repeated characters. For example, the string aabcccccaaa would become a2blc5a3. If the

"compressed" string would not become smaller than the original string, your method should return

the original string. You can assume the string has only uppercase and lowercase letters (a - z).

Quadratic Equation

- Extract a sub region of a 2D array
- Insert into a region of a 2D array