**Problem #541: Reverse String II**

<https://leetcode.com/problems/reverse-string-ii/description/>

My Solution:

1. If the length of the string is less than or equal to k, then reverse the string and return it.
2. Intialize res as an empty list.
3. Iterate through the string and get substrings of length k starting with the first k characters and then the next k characters starting with k + 1 h character and so on.
4. Append the remaining part at the end of the string which is less than k characters.
5. Initialize output to an empty list.
6. Now, iterate through res and if the index is even, then reverse the sting. Append the string to output
7. Join the strings In output and return it as one string.

class Solution:

def reverseStr(self, s: str, k: int) -> str:

if len(s) <= k:

return s[::-1]

res = []

for i in range(len(s)//k):

res.append(s[i\*k : (i + 1)\*k])

res.append(s[ k \* (len(s)//k) : len(s)] )

output = []

for i, astring in enumerate(res):

if i % 2 == 0:

astring = astring[::-1]

output.append(astring)

return "".join(output)