**Problem #2243: Calculate digit sum of a String. (Easy)**

<https://leetcode.com/problems/calculate-digit-sum-of-a-string/description/>

**My Solution:**

1. If length of s is less than or equal to k, return s.
2. While length of s is greater than k, divide s into groups of length equal to k and the last group may be less than k and put the string in a list called alist.

Find the sum of the digits for each string in alist, convert it into string and append it to a list called sum\_list. Finally update s to be the string formed by joining the strings in sum\_list.

1. Return s.

class Solution:

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

if len(s) <= k:

return s

while len(s) > k:

# Divide s into groups

n = len(s)

alist = []

i = 0

for i in range(n//k):

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

if len(s) % k > 0:

alist.append(s[k \* (n//k): n])

# print("alist = ", alist)

sum\_list = []

for x in alist:

total = sum([int(y) for y in x])

sum\_list.append(str(total))

s = "".join(sum\_list)

return s