**Problem #1945: Sum of Digits After Convert. (Easy)**

<https://leetcode.com/problems/sum-of-digits-of-string-after-convert/description/>

**My Solution:**

1. Initialize mydict to an empty dictionary
2. Iterate I in range ord(‘a’) to ord(‘z’) + 1, so that key will be letters a to z and value will be numbers from 1 to 26.
3. For convert, initialize an empty list called s\_list
4. Iterate through string s and for each character ch in s, append the value of ch from the dictionary mydict.
5. Join the items in s\_list to form a string called s\_string.
6. Let us define a function called transform which will take a string as input and add up each digit in the string after converting it to an integer. Then return the total.
7. For I in range of k, apply transform to the string and get total. Make total into a string and assign it to s\_string.
8. Finally return integer value of total.

class Solution:

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

mydict = {}

for i in range(ord('a'), ord('z') + 1):

mydict[chr(i)] = str(i - ord('a') + 1)

s\_list = []

for ch in s:

s\_list.append(mydict[ch])

s\_string = "".join(s\_list)

def transform(astring):

total = 0

for x in astring:

total += int(x)

return total

for i in range(k):

total = transform(s\_string)

s\_string = str(total)

return int(total)