Problem # 1556: Thousand Separator

<https://leetcode.com/problems/thousand-separator/>

My Solution:

<https://leetcode.com/problems/thousand-separator/discuss/892333/Simple-Python-3-Solution-Runtime-faster-than-99.17-and-Memory-usage-less-99.94>

Simple Python 3 Solution -- Runtime faster than 99.17% & Memory usage < 99.94%

1. Find the length of the number converted to a string. If the length is 3 or less, return the number as a string.
2. If the length of the number converted to a string is greater than 3, reverse the string.
3. Iterate through the string and append each digit to the result list called res. Additionally, if the index is divisible by 3 and greater than 0, then append a period to the result list before appending the digit.
4. Reverse res and then join the elements of the list to form a result string. Return the result string.

class Solution:

def thousandSeparator(self, n: int) -> str:

str\_n = str(n)

k = len(str\_n)

if k <= 3:

return(str\_n)

res = []

str\_n = str\_n[::-1]

for i in range(k):

if i > 0 and i % 3 == 0:

res.append('.')

res.append(str\_n[i])

return(''.join(res[::-1]))

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