**Problem #2022: Convert 1D Array into 2D Array (Easy)**

<https://leetcode.com/problems/convert-1d-array-into-2d-array/description/>

**My Solution:**

**Solution 1:**

1. If length of original array is not equal to the product of m and n, then return an empty list.
2. Initialize res to an empty list
3. For I in range m (the number of rows), append to res a slice of orginal from index I times n to (I + 1) times n. Here n is the length of each row.
4. Return res.

class Solution:

def construct2DArray(self, original: List[int], m: int, n: int) -> List[List[int]]:

if len(original) != m \* n:

return []

res = []

for i in range(m):

res.append(original[i \* n: (i + 1) \* n])

return res

**Solution 2:**

Instead of appending a slice as in Solution 1, we create the slice in templist by appending one element at a time using the inner for loop with j in range of n (number of columns)

class Solution:

def construct2DArray(self, original: List[int], m: int, n: int) -> List[List[int]]:

res = []

if len(original) == m \* n:

for i in range(m):

templist = []

for j in range(n):

templist.append(original[(i \* n) + j ])

res.append(templist)

return res