class Solution:

def sort012(self,arr,n):

low = 0

current = 0 #the currently being sorted index

high = n - 1

while current <= high:

if arr[current] == 0:

arr[low], arr[current] = arr[current], arr[low] #swap low pointer with current pointer

current = current + 1

elif arr[current] == 1:

current = current + 1

else:

arr[high], arr[current] = arr[current], arr[high] #swap high pointer with current pointer

high = high - 1

A screenshot of a computer

Description automatically generated#logic - swap the places of 2s and 0s until all 1s are left in the middle between 0s and 2s

A screenshot of a computer

Description automatically generatedTwo solutions:

A screenshot of a computer

Description automatically generated

I’ve done this assignment in the past: <https://www.youtube.com/watch?v=5MRZ0tf9vD4>