

Sort Colours

Question: Given an array with n objects coloured red, white or blue, sort them so that objects of the same colour are adjacent, with the colours in the order red, white and blue.

Here, we will use the integers 0, 1, and 2 to represent the colour red, white, and blue respectively.

Note: You are not supposed to use the library's sort function for this problem

Solutions:

class Solution:

@param A a list of integers

@return sorted A, sort in place

def sortColors(self, A):

color=[0]*3

for i in A:

color[i] += 1

i = 0

for x in range(3):

for j in range(color[x]):

A[i]=x

i+=1

return A

Solution().sortColors([1,2,0,1,2,0])