**Sort an array of 0, 1, 2’s**

**—-------------------------------**

class DutchColor:

    def dutch(s):

        low, mid, high = 0, 0, len(s)-1

        while(mid <= high):

            if s[mid] == 0:

                s[mid], s[low] = s[low], s[mid]

                low += 1

                mid += 1

            elif s[mid] == 1:

                mid += 1

            else:

                s[mid], s[high] = s[high], s[mid]

                high -= 1

        return s

def main():

    dut = DutchColor.dutch([0, 1, 0, 2, 1, 0, 2, 0, 1, 2, 0])

    print('output:', dut)

if \_\_name\_\_ == '\_\_main\_\_':

    main()