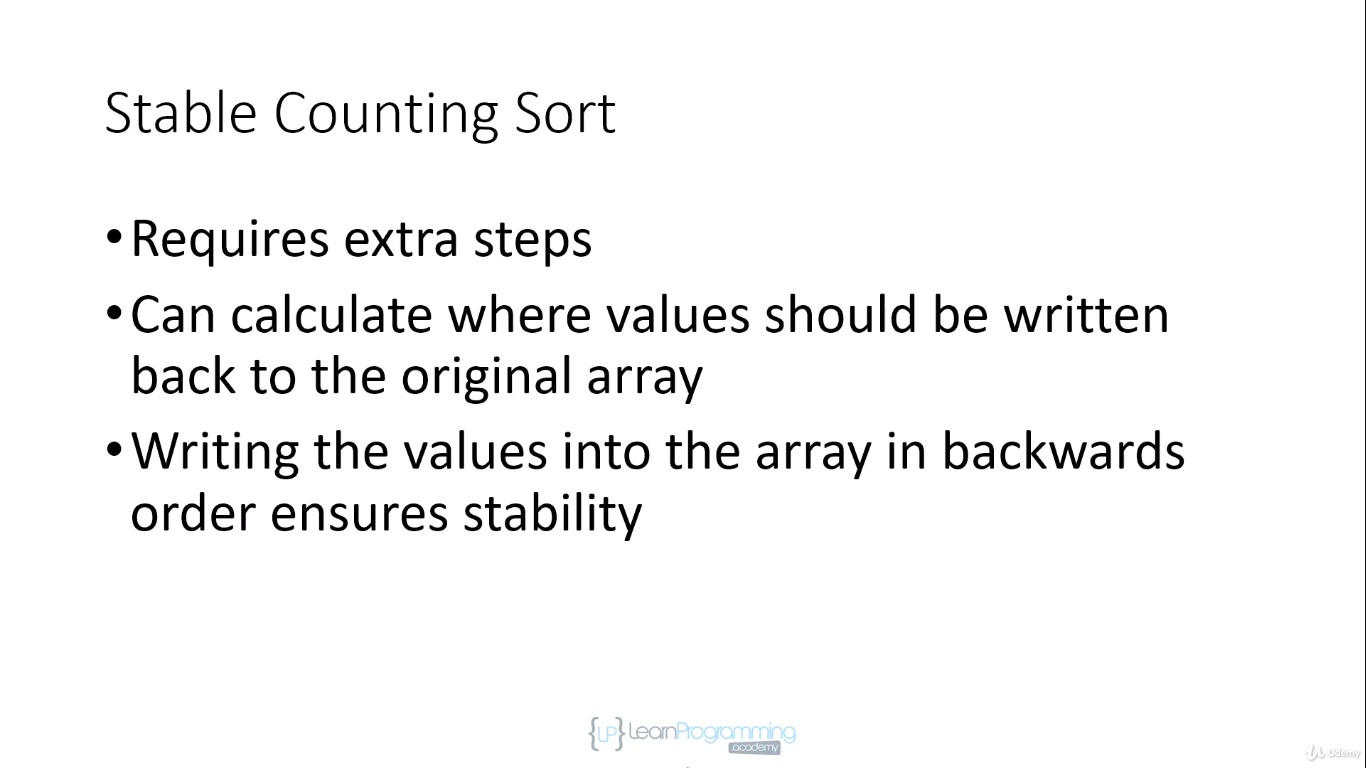
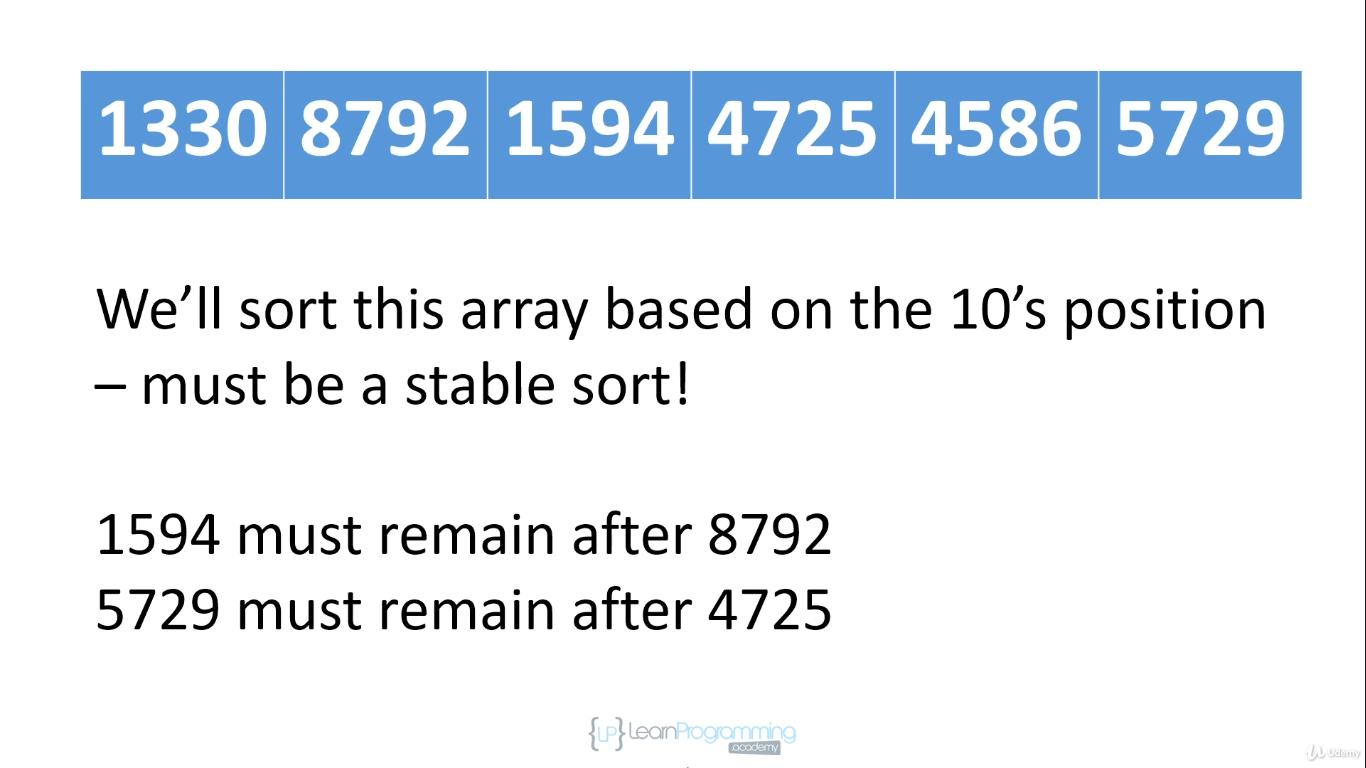
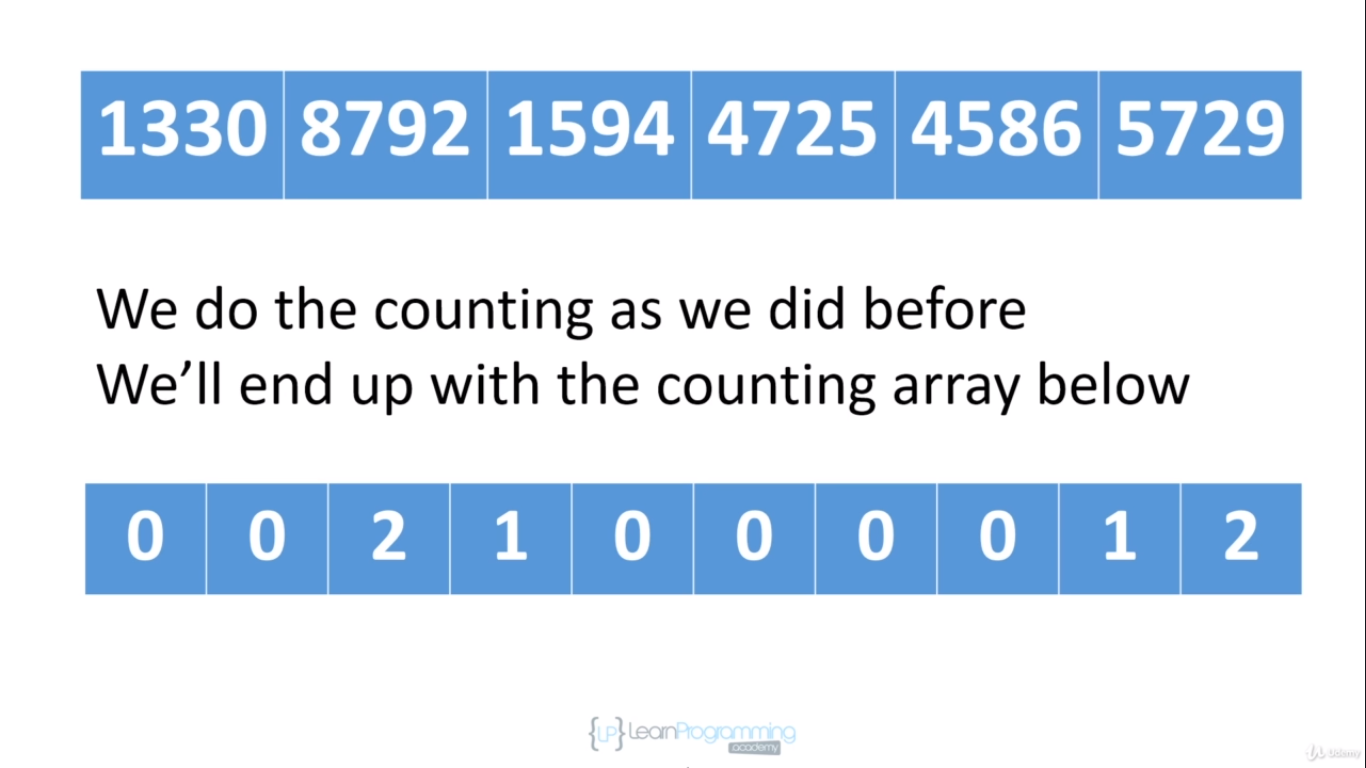
Stable Counting Sort





How we gonna accomplish this

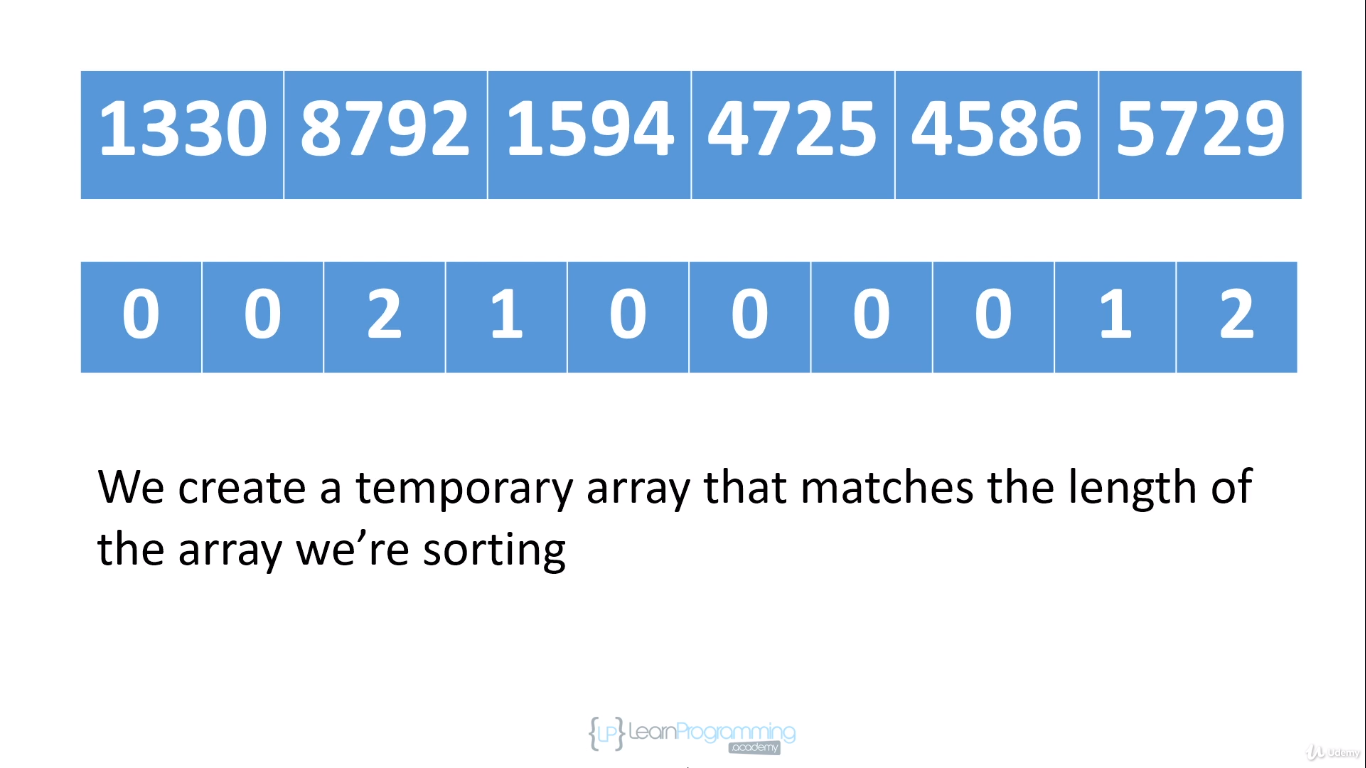


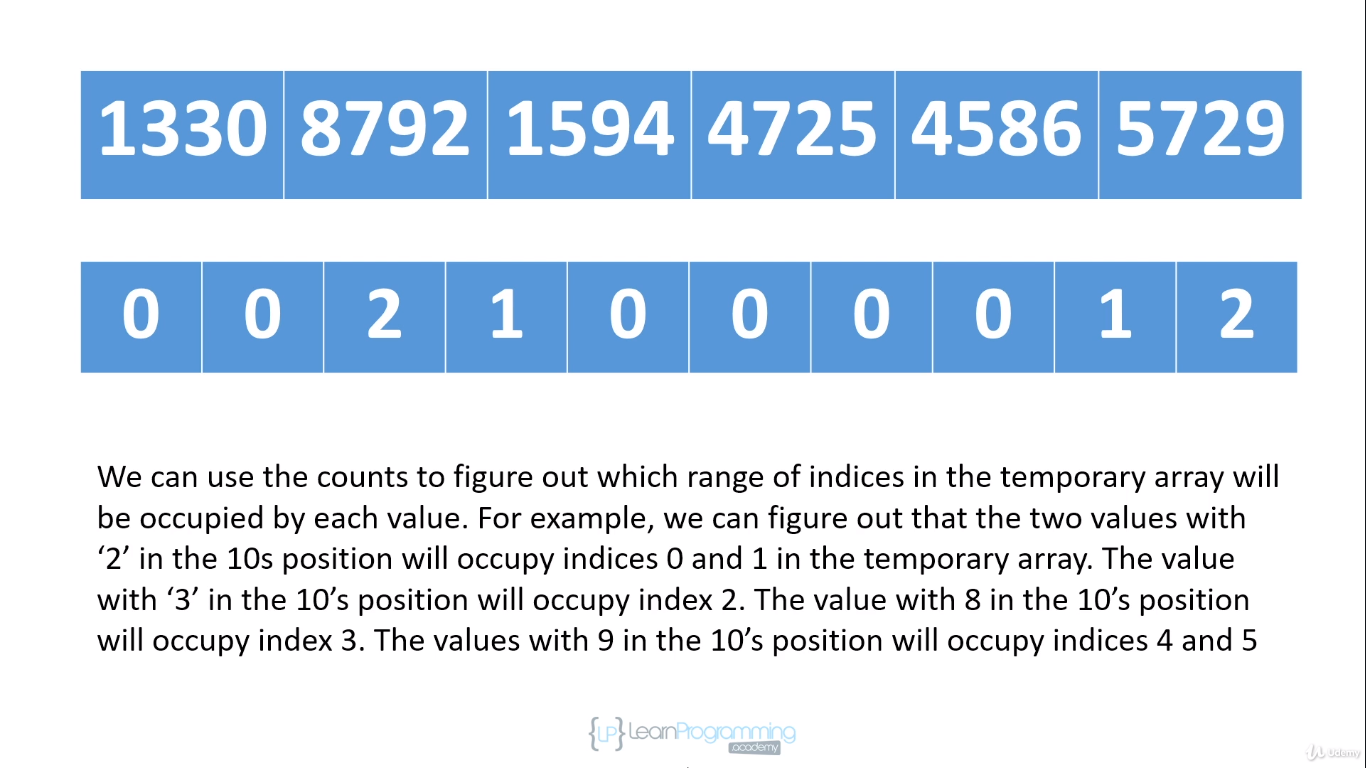
2 values of 2 at 10’s position

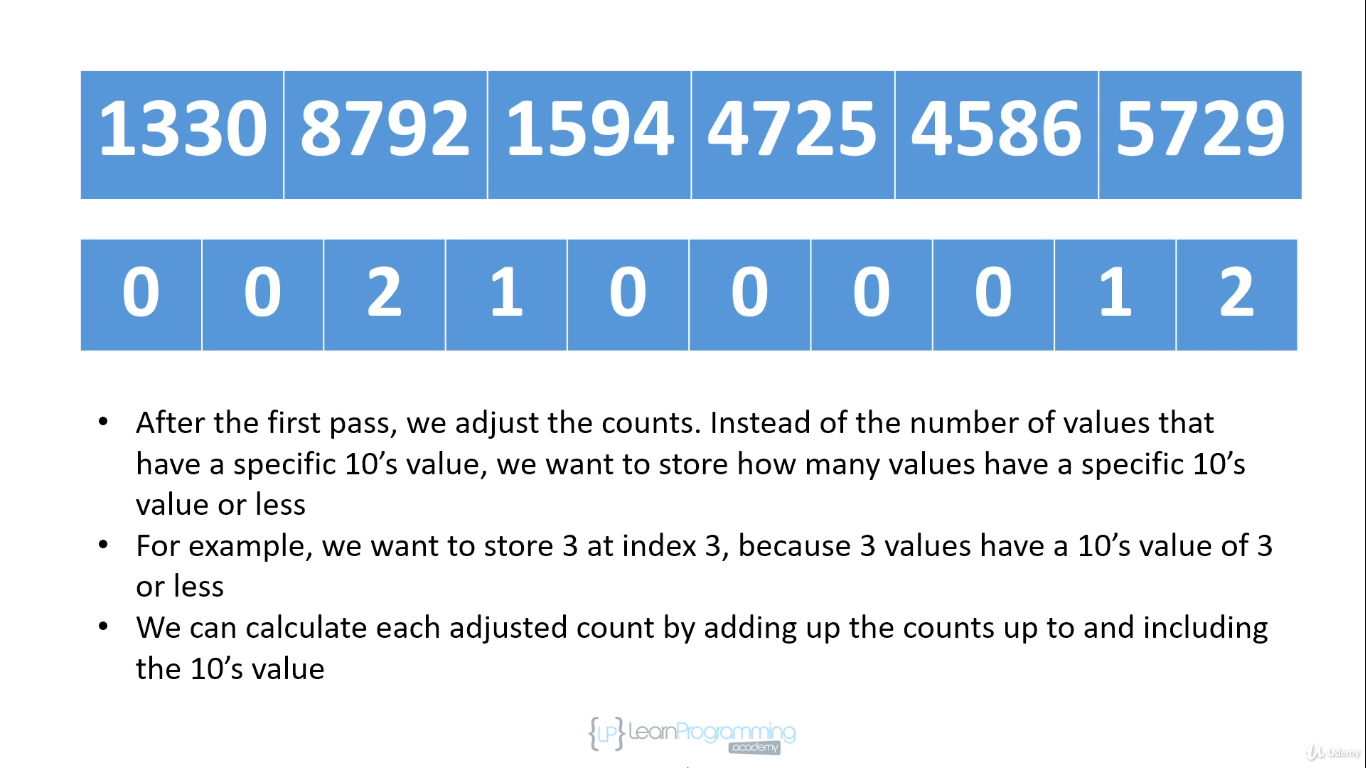
1 value of 3 at 10’s position

1 value of 8 at 10’s position

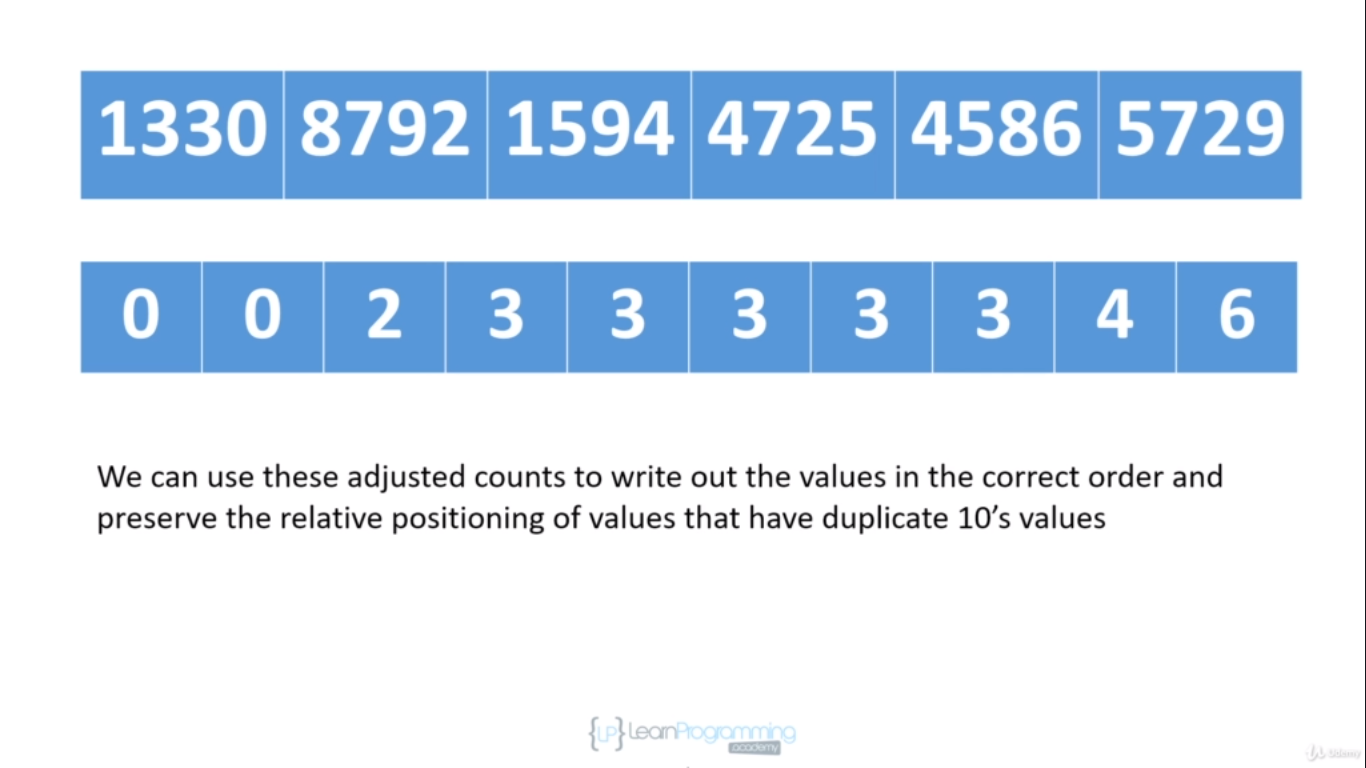
2 value of 9 at 10’s position as we can see in our counting array.





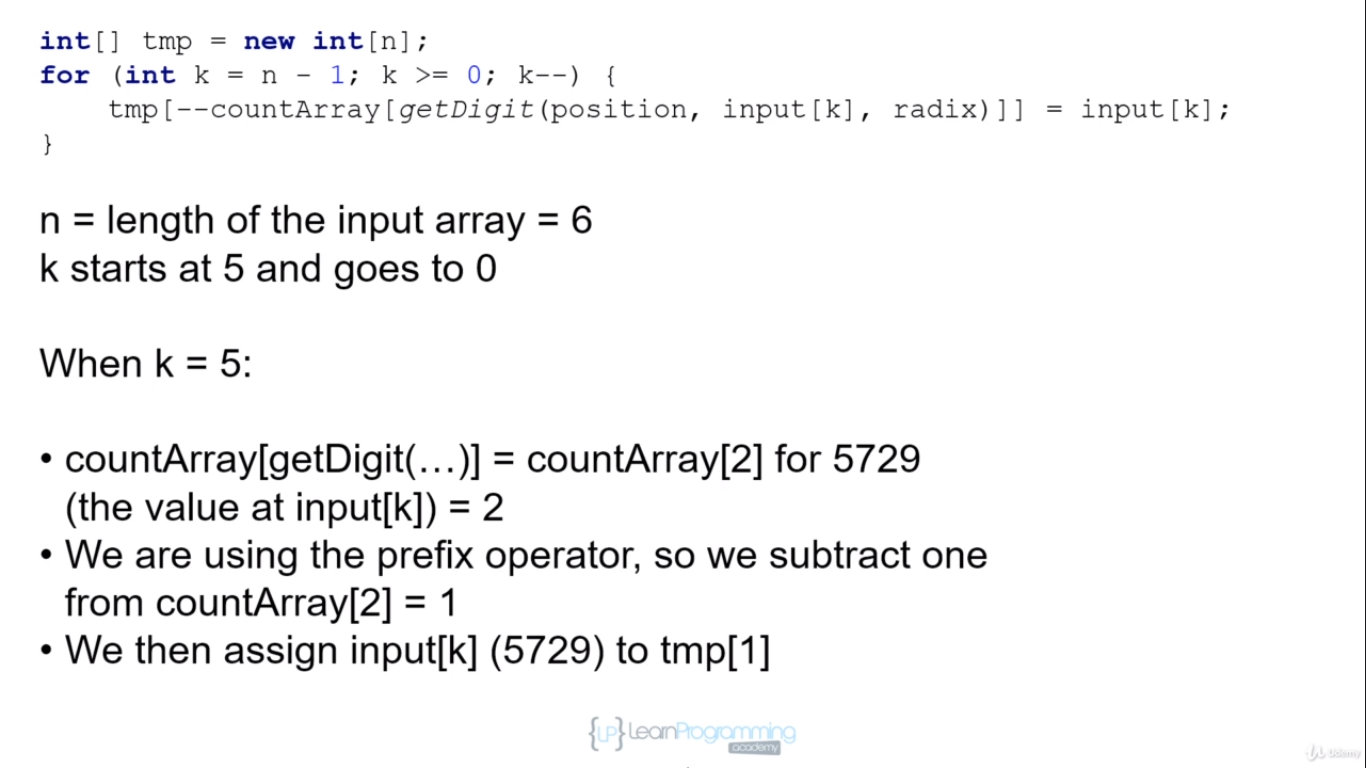


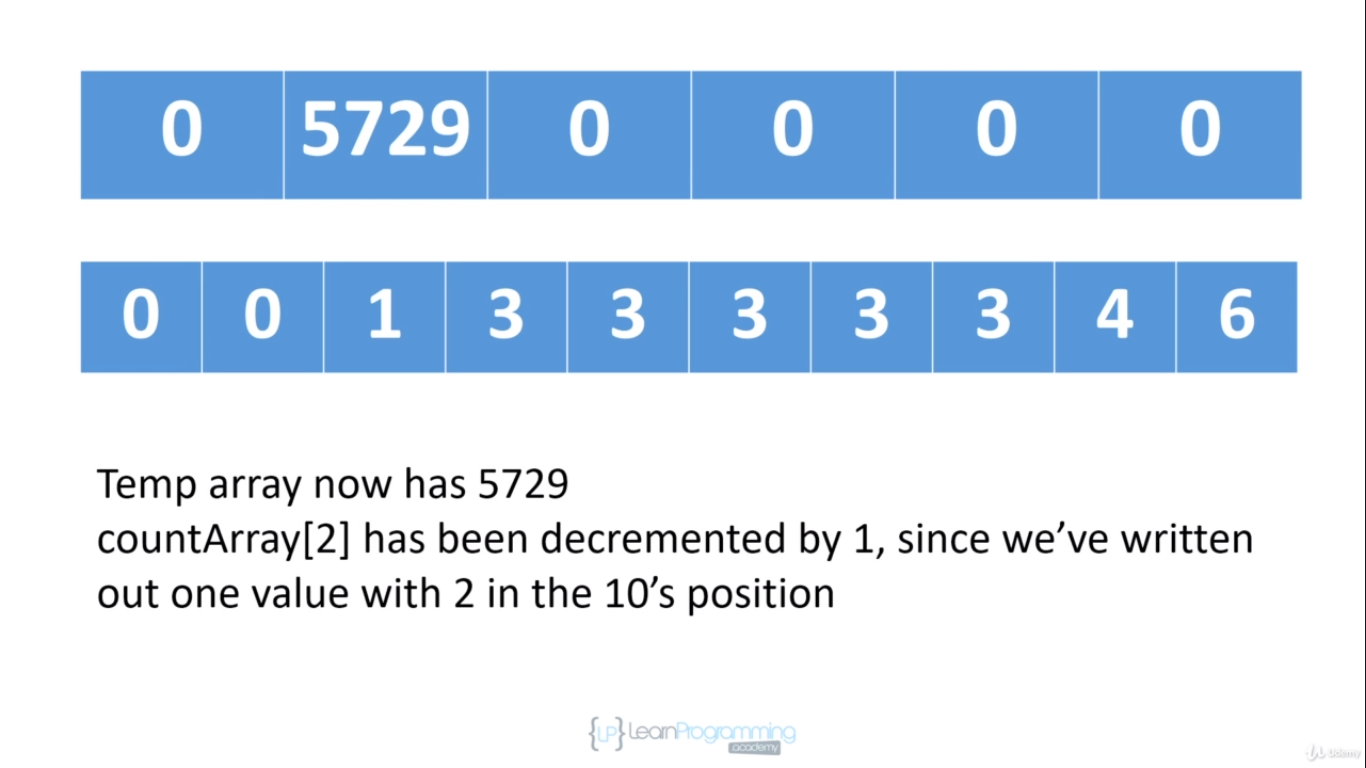
For ex for position 3 we can sum up 0+0+2+1 which is 3 for 10’s position. After adjustment we have

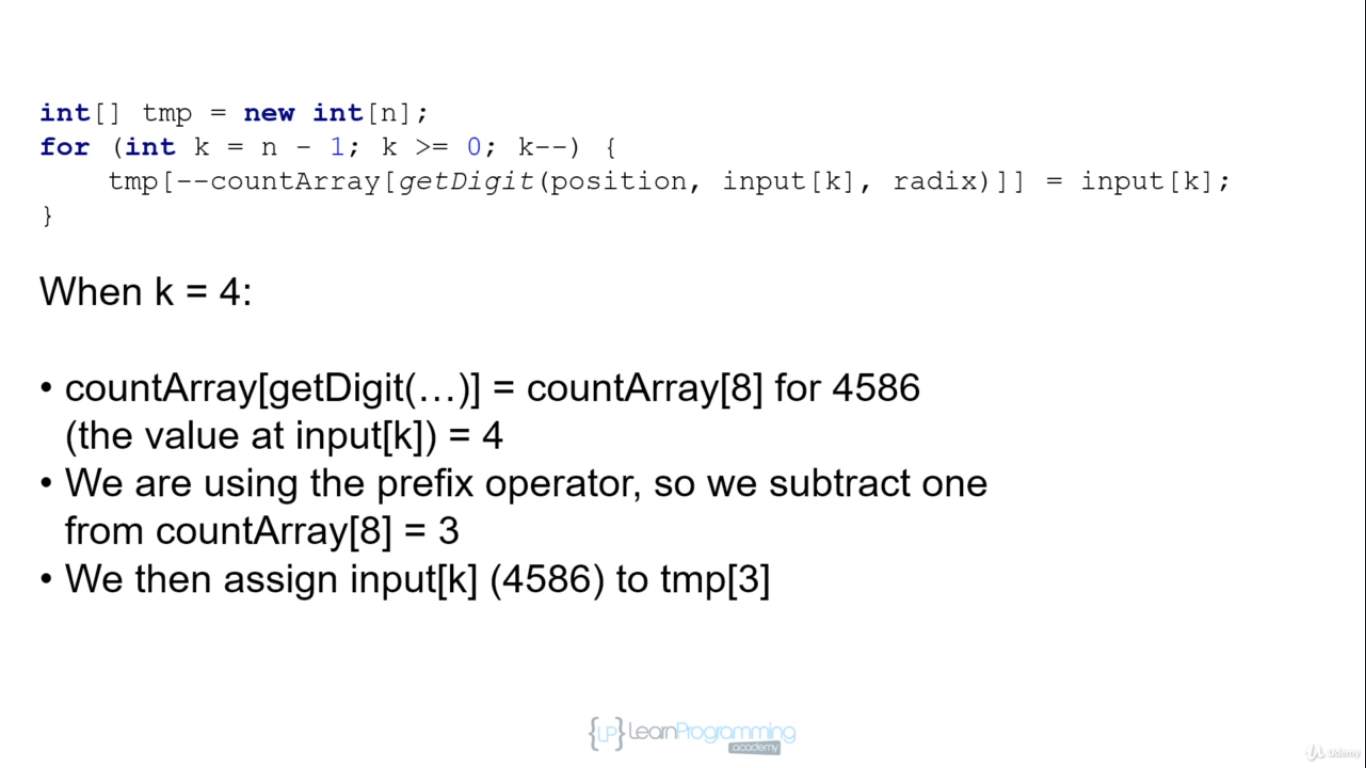


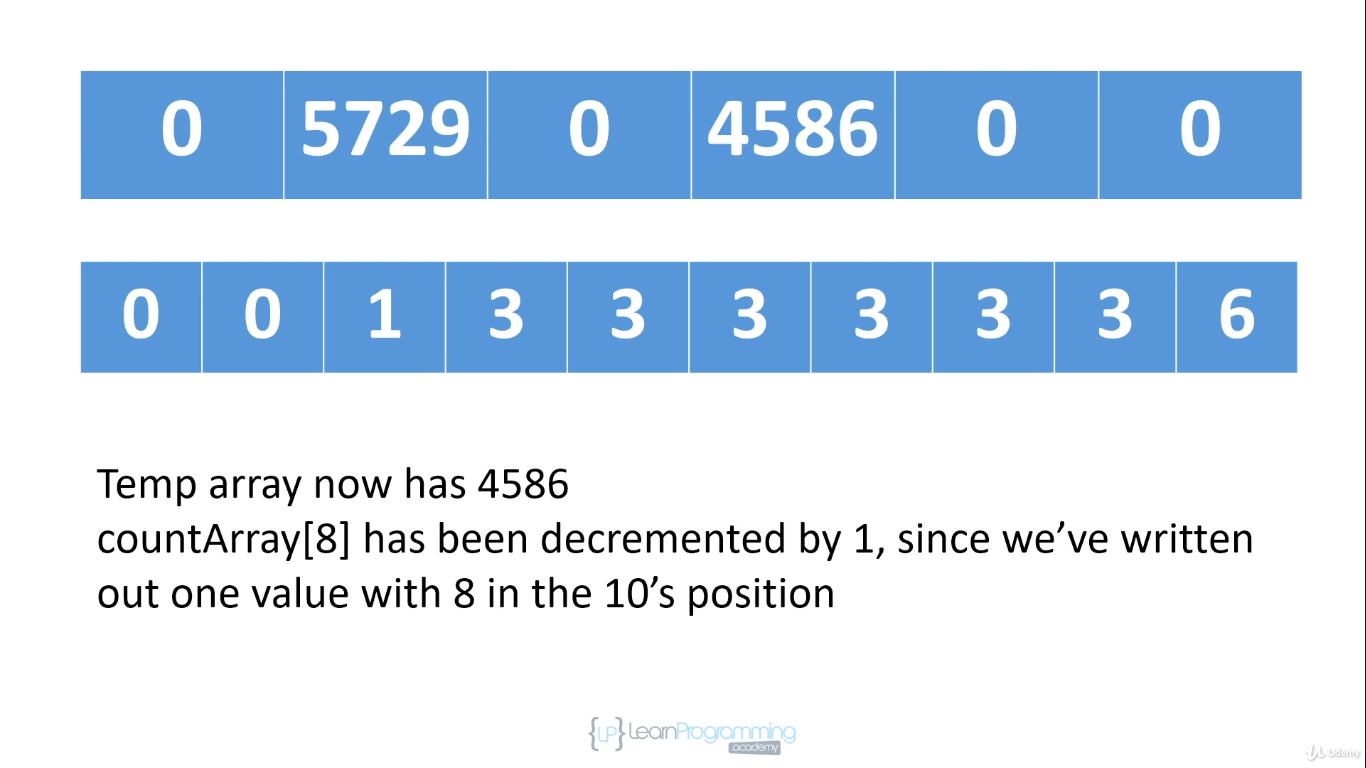
4 values with 8 or less

6 values with 9 or less

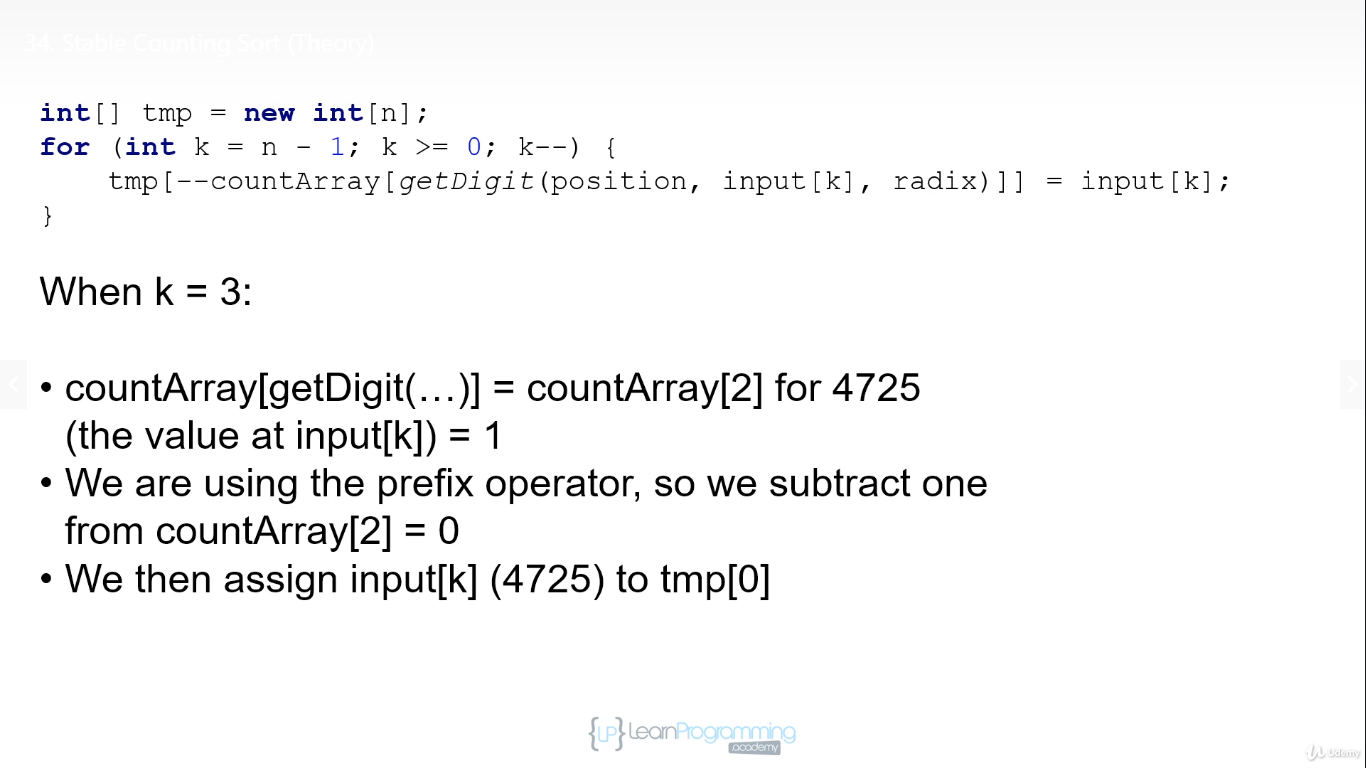


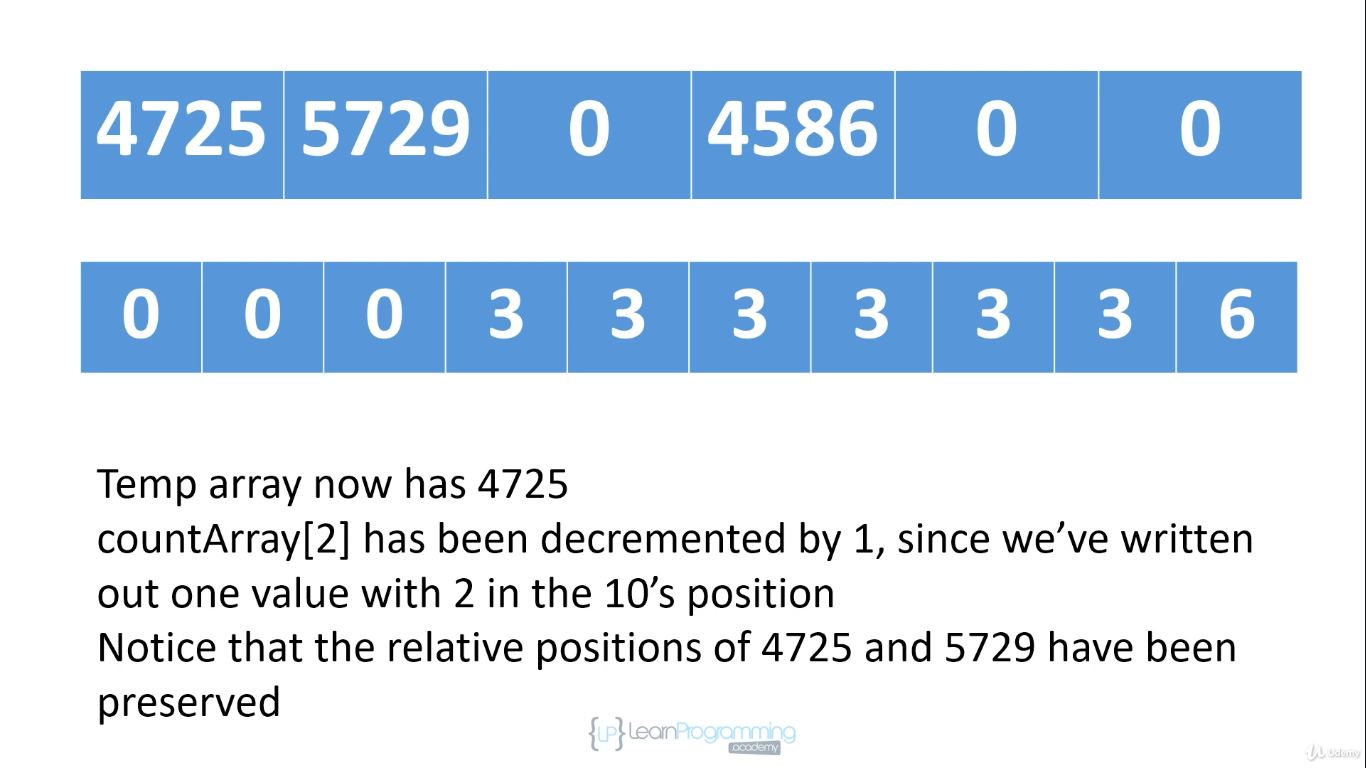


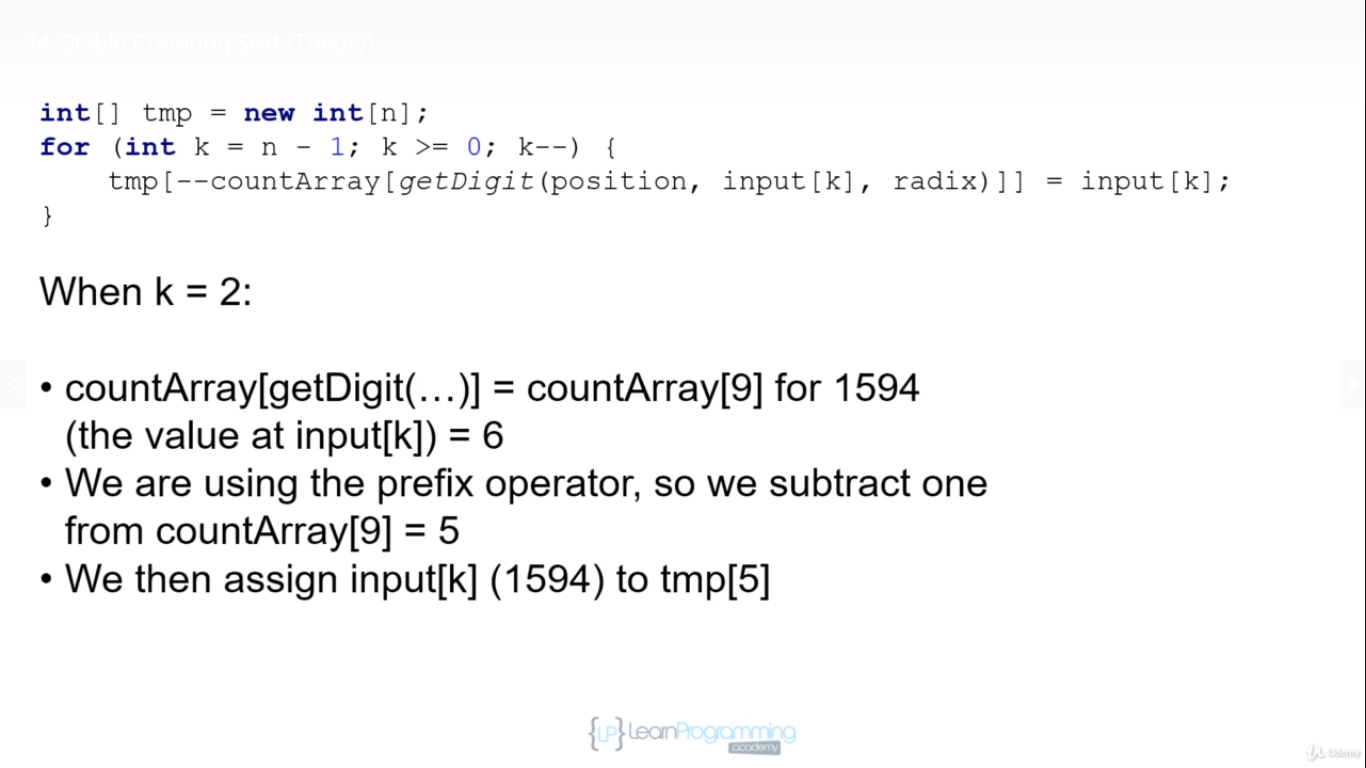


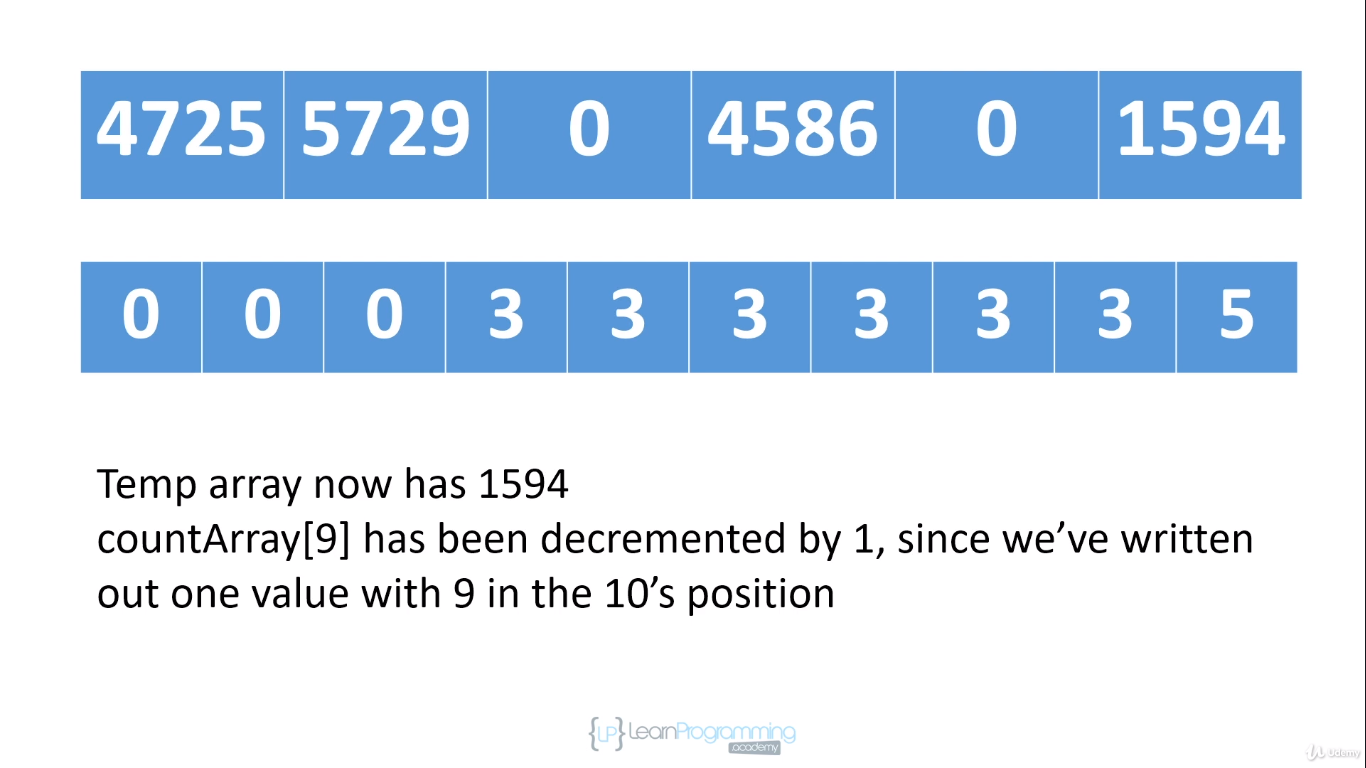


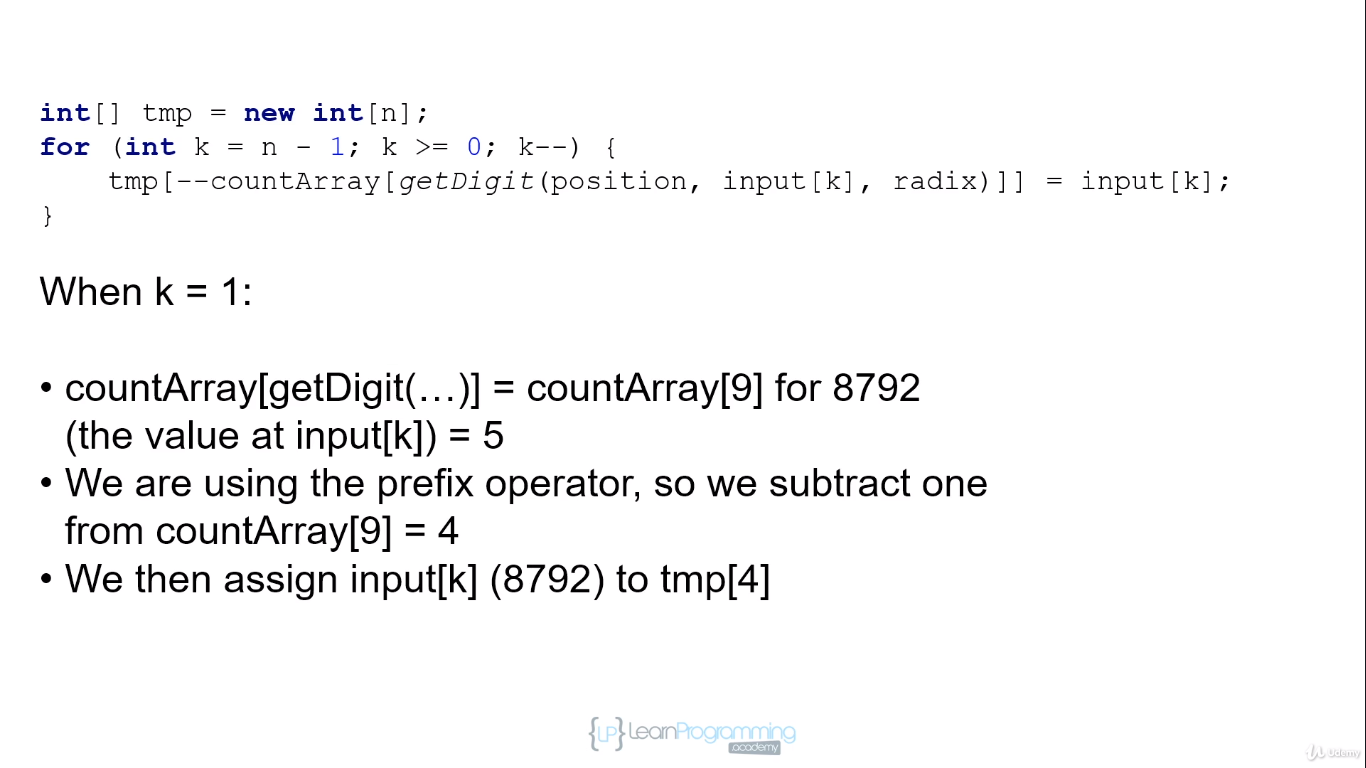
We end up with this situation

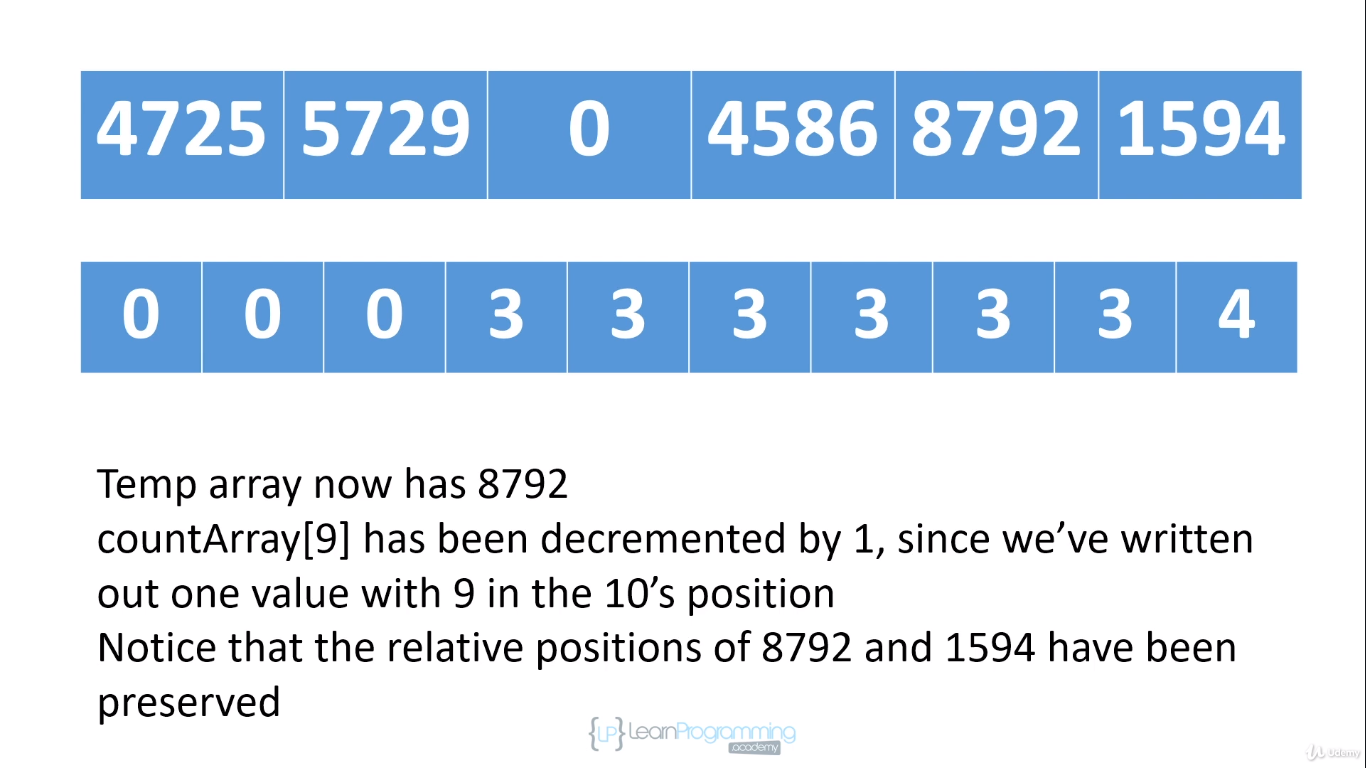


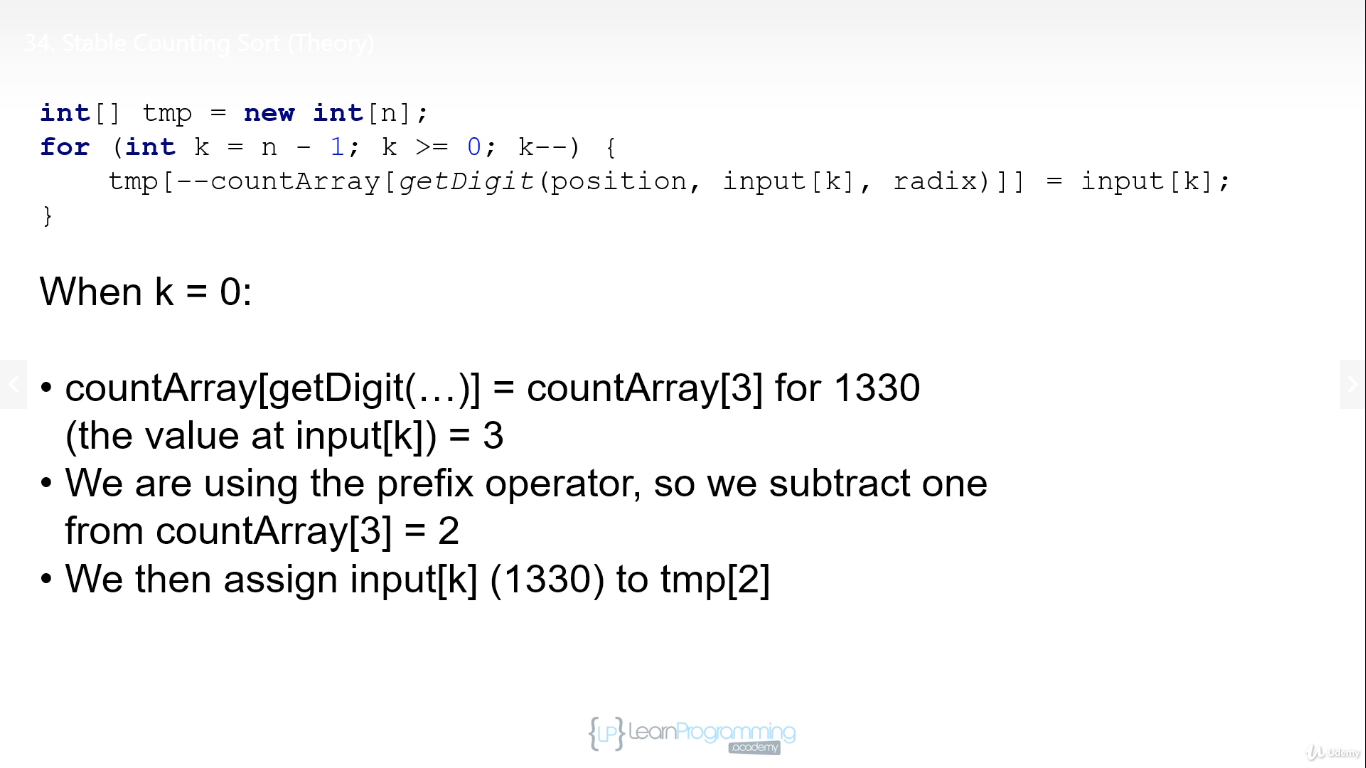


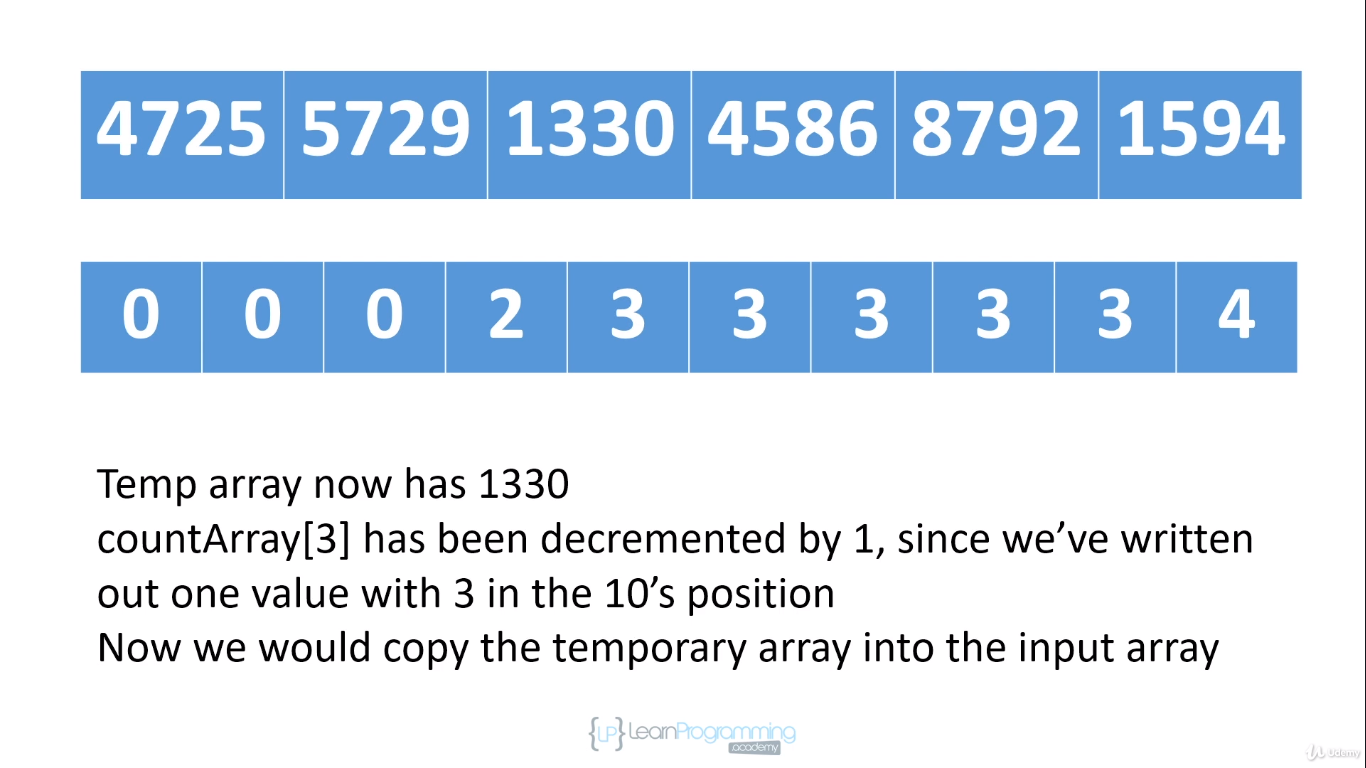


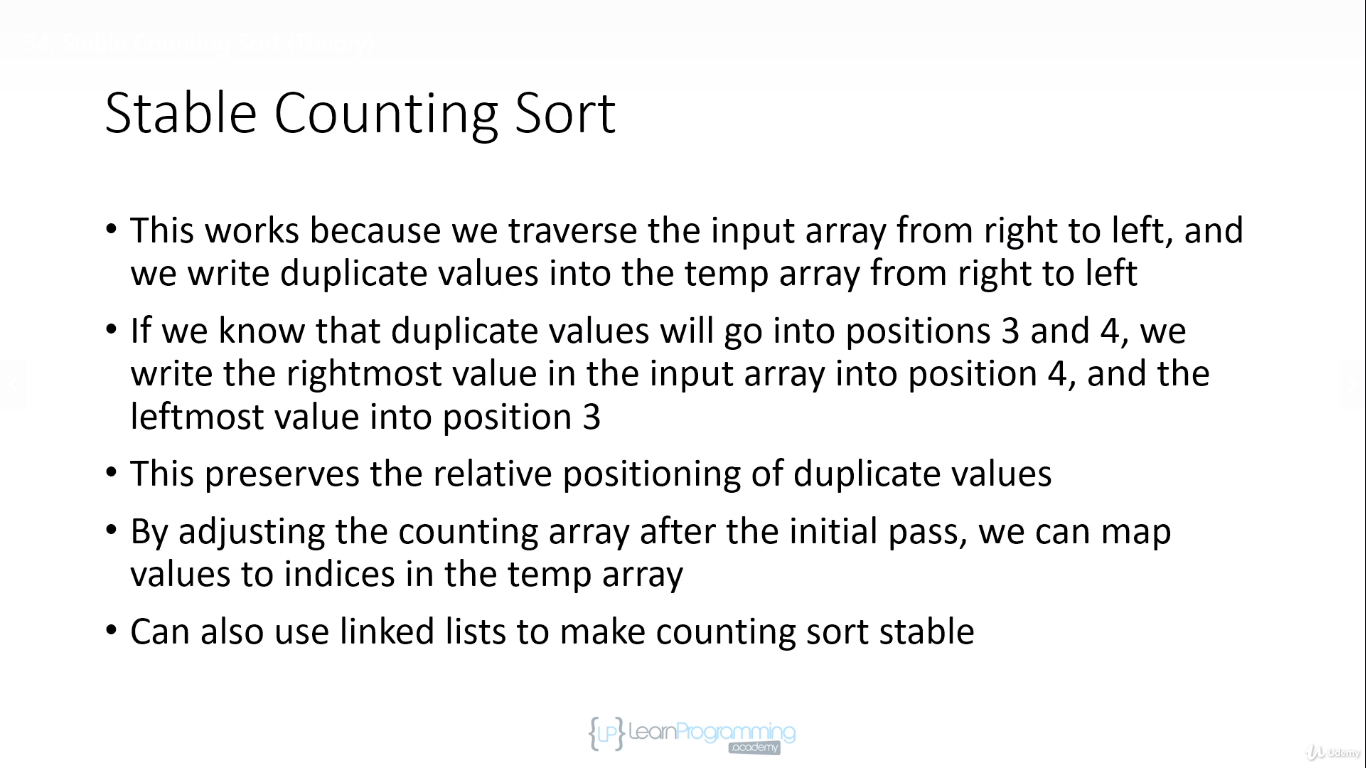












Last step would be copy temporary array back to input array.