```java
class
Solution
{
        void swap(int []arr,int i,int j){
            int tem=arr[i];
            arr[i]=arr[j];
            arr[j]=tem;
        }
        public void sortColors(int[] nums) {
            int s=0,m=0,e=nums.length-1;
            while(m<=e){
                if(nums[m]==0){
                    swap(nums,s,m);
                    s++;
                    m++;
                }
                else if(nums[m]==1){
                    m++;
                }
                else if(nums[m]==2){
                    swap(nums,m,e--);
                }
            }
        }
}
```