

```
public static int minPainterNeeded(int[] arr, int k ){
                                                                ,50, 30, 10]
   int lo =0;
   int hi= 0;
   for(int i=0;i<arr.length;i++){
       lo = Math.max(lo,arr[i]);
       hi +=arr[i];
   int ans =0;
   while(lo<=hi){
       int mid = lo + (hi-lo)/2;
                True
       if(ifpossibletoPaint(arr,k,mid)){
           ans = mid; /
           hi = mid-1;
       }else{
           lo =mid+1;
   return ans;
public static boolean ifpossibletoPaint(int[] arr, int k,int limit){
   int sum =0; /
   int painter=1;
   for(int val: arr){
       if(val+sum<=limit){
        -> sum +=val;
       }else{
           sum = val;
           painter++;
```

Array List > Dynamic behanjour of the array 2 MB / TONK - TONK - TONK 5 thoroughist Kinteger) ours now thoroughist 27(1);

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public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    ArrayList<Integer> arr= new ArrayList<>();
    for(int i =0;i<n;i++){
       int val = scn.nextInt();
        switch(val){
           case 1:
               System.out.println(arr.size());
            case 2:
               if(arr.size()>0){
                    System.out.println(arr.get(arr.size()-1));
                    arr.remove(arr.size()-1);
                }else{
                    System.out.println("invalid-move");
                break;
            case 3:
               int x = scn.nextInt();
               System.out.println(x);
                arr.add(x);
                break;
           case 4:
               if(arr.size()>0){
                    System.out.println(arr.get(0));
                    arr.remove(0);
                }else{
                    System.out.println("invalid-move");
               hreak.
       case 5:
           int y = scn.nextInt();
           System.out.println(y);
           arr.add(0,y);
           break;
       case 6:
           if(arr.size()>0){
                for(int val1: arr){
                    System.out.print(val1+" ");
                System.out.println();
           }else{
              System.out.println("invalid-move");
           break;
```

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public class Solution {

public static void main(String[] args) {

Scanner scn = new Scanner(System.in);

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Scanner scn = new Scanner(System.in);
int n =scn.nextInt();

ArrayList<Integer> arr = new ArrayList<>();

for(int i=0;i<n;i++){
 arr.add(scn.nextInt());
}

for(int i=arr.size()-1;i>=0;i--){
 System.out.print(arr.get(i)+" ");
}
System.out.println();

Collections.reverse(arr);

for(int val : arr){// for each loop
 System.out.print(val+" ");
}
/* Enter your code here. Read input from STDIN. Print output to STDOUT
}