```java
/*Day 51 coding Statement : Given an integer array of size N, write a program to sort the array;*/
import java.util.*;


public class Main
{
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n=sc.nextInt();
                int a[]=new int[n];
                for(int i=0;i<n;i++){
                   a[i]=sc.nextInt();
                }
                int temp=0;
                for(int i=0;i<n;i++){
                   for(int j=i+1;j<n;j++){
                     if(a[i]>a[j]){
                        temp=a[i];
                        a[i]=a[j];
                        a[j]=temp;

                     }
                   }
                }
                for(int i=0;i<n;i++){
                   System.out.print(a[i]+" ");
                }
        }
}
```