import java.util.\*;

class Main

{

public static void main (String[] args)

{

Scanner sc= new Scanner(System.in);

int n;

int count=0;

int[] a;

int[] b;

a=new int[10];

b=new int[10];

n=sc.nextInt();

for (int i=0;i<n ; i++)

{

a[i]=sc.nextInt();

}

for (int i=0;i<n ; i++)

{

if(a[i]%2==0)

{

b[count]=a[i];

count++;

}

}

for (int i=0;i<n ; i++)

{

if(a[i]%2==1)

{

b[count]=a[i];

count++;

}

}

System.out.println();

for (int i=0;i<count ; i++)

{

System.out.printf("%d\t",b[i]);

}

}

}