#include <stdio.h>

void main(){

int n;

printf("enter size of an array:");

scanf("%d",&n);

int m,i,a[n],even[n],odd[n],j=0,k=0;

printf("enter number of occupied space:");

scanf("%d",&m);

// taking input of array's element

printf("enter element's value of an array:\n");

for(i=0;i<m;i++)

scanf("%d",&a[i]);

for(i=0;i<m;i++){

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

even[j]=a[i];

j++;

}

else if(a[i]%2!=0){

odd[k]=a[i];

k++;

}

}

printf("odd elements array is:");

for(i=0;i<k;i++){

printf("%d",odd[i]);

}

printf("\n");

printf("even elements array is:");

for(i=0;i<j;i++){

printf("%d",even[i]);

}

}