#include <stdio.h>

void main()

{

int n,i,arr\_even[100],arr\_odd[100];

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

scanf("%d",&n);

int arr[n];

printf("enter the elements in array:");

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

{

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

}

printf("even numbers;");

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

{

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

{

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

}

}

printf("\nodd numbers:");

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

{

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

{

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

}

}

}