#include<stdio.h>

void main()

{ int a[50],n,i;

printf("how many elements you are going to enter (max 50)");

scanf("%d",&n);

printf("Enter the elements:");

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

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

}

printf("even elements:\n");

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

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

{ printf("%d\t",a[i]);

}

}

printf("\nodd elements:\n");

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

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

{ printf("%d\t",a[i]);

}

}

}

Output:

how many elements you are going to enter (max 50)5

Enter the elements:1

2

3

4

5

even elements:

2 4

odd elements:

1 3 5