

Write Program to find number of even and odd elements in an array

Description

Get an array as input from the user and then count the number of even and odd elements present in the array.

Input

Enter size of array

4

Enter the elements:

1 3 4 5

Output

Number of even elements: 1

Number of odd elements: 3

C Program

```
#include<stdio.h>

int main(){
    int n;
    int arr[n];

    printf("Enter the size of array elements: ");
    scanf("%d",&n);
    printf("Enter the array elements: ");
    for(int i=0;i<n;i++)
        scanf("%d",&arr[i]);
    int even=0, odd=0;
```

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```
for(int i=0; i<n; i++){
    if(arr[i]%2==0)
        even++;

    else
        odd++;
}
printf("Number of even elements: %d \nNumber of odd elements: %d", even, odd);
}
```

C++ Program

```
#include<iostream>
using namespace std;
int main(){
    int n;
    cout<<"Enter the size of array elements: ";
    cin>>n;
    int arr[n];
    cout<<"Enter the array elements: ";
    for(int i=0; i<n; i++)
        cin>>arr[i];
    int even=0, odd=0;
    for(int i=0; i<n; i++){
        if(arr[i]%2==0)
            even++;
        else
            odd++;
    }
    cout<<"Number of even elements: "<<even<<"\nNumber of odd elements: "<<odd;
```

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```
}
```

Java

```
import java.util.Scanner;

class Main{

    public static void main (String[] args)

    {

        int n;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the size of the array: ");

        n = sc.nextInt();

        int[] arr = new int[n];

        System.out.println("Enter the array elements: ");

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

        {

            arr[i] = sc.nextInt();

        }

        int even = 0, odd = 0;

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

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

                even += 1;

            else

                odd += 1;

        }

        System.out.println("Number of even elements: "+even);

        System.out.println("Number of odd elements: "+odd);

    }

}
```

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Python

```
n = int(input("Enter size of array: "))
arr = []
print("Enter array elements: ")
for i in range(0,n):
    temp = int(input())
    arr.append(temp)

even = 0
odd = 0
for i in range(0, n):
    if arr[i]%2==0:
        even += 1
    else:
        odd += 1
print("Number of even elements:",even)
print("Number of odd elements:",odd)
```

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