

# Rajalakshmi Engineering College

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## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 12\_Q1

Attempt : 1  
Total Mark : 10  
Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

Sabrina is working on a project that involves analyzing a set of numbers. In her exploration, she encounters scenarios where extracting even numbers and finding their sum is essential.

Create a program that calculates the sum of even numbers from a given array of integers using a lambda expression.

##### ***Input Format***

The first line of input consists of an integer N, representing the size of the array.

The second line consists of N space-separated integers, representing the elements of the array.

##### ***Output Format***

The output prints the sum of the even integers from the array.

Refer to the sample output for formatting specifications.

### **Sample Test Case**

Input: 3

29 37 45

Output: 0

### **Answer**

```
// You are using Jav
import java.util.*;

interface even{
    void sum_(int[] arr);
}

class Main{
    public static void main(String[] args){
        Scanner ss=new Scanner(System.in);
        int n=ss.nextInt();
        int[] arr=new int[n];
        for(int i=0;i<n;i++){
            arr[i]=ss.nextInt();
        }

        even e = (arr1) ->{
            int total=0;
            for(int j=0;j<n;j++){
                if(arr1[j]%2==0){
                    total+=arr1[j];
                }
            }
            System.out.println(total);
        };
        e.sum_(arr);
    }
}
```

**Status :** Correct

**Marks :** 10/10