

# Rajalakshmi Engineering College

Name: Krishna Kumar  
Email: 240701622@rajalakshmi.edu.in  
Roll no:  
Phone: null  
Branch: REC  
Department: CSE - Section 10  
Batch: 2028  
Degree: B.E - CSE

Scan to verify results



## 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 Java

import java.util.\*;

import java.util.stream.\*;

```
class Main {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
  
        int n = sc.nextInt();  
        int[] arr = new int[n];  
  
        for (int i = 0; i < n; i++) {  
            arr[i] = sc.nextInt();  
        }  
  
        int sum = Arrays.stream(arr)  
            .filter(x -> x % 2 == 0)  
            .sum();  
  
        System.out.println(sum);  
    }  
}
```

**Status : Correct**

**Marks : 10/10**