

# Rajalakshmi Engineering College

Name: talapaneni sujitha  
Email: 240701551@rajalakshmi.edu.in  
Roll no: 2116240701551  
Phone: 9445179891  
Branch: REC  
Department: CSE - Section 9  
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.*;
public 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(n -> n % 2 == 0)
                        .sum();
        System.out.print(sum);
    }
}
```

**Status :** Correct

**Marks :** 10/10