

# Rajalakshmi Engineering College

Name: Venkat krishna.A

Email: 241801308@rajalakshmi.edu.in

Roll no: 241801308

Phone: 9361019427

Branch: REC

Department: AI & DS - Section 5

Batch: 2028

Degree: B.E - AI & DS

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();
        ArrayList<Integer> a1=new ArrayList<>();
        for(int i=0;i<n;i++)
        {
            a1.add(sc.nextInt());
        }
        Stream<Integer> a=a1.stream();
        Stream<Integer> s=a.filter(n1 -> n1%2==0);
        int r=s.reduce(0,(c,e) -> c+e);
        System.out.println(r);
    }
}
```

**Status : Correct**

**Marks : 10/10**