package com.lambda;

import java.util.Arrays;

import java.util.List;

import java.util.stream.Collectors;

import java.util.stream.IntStream;

public class StreamOperations{

public static void main (String args[]){

int num[] = {10,20,30,40,50,60,70,80};

//Converting array into ArrayList

List<Integer> numericList = Arrays.stream(num).boxed().collect(Collectors.toList());

//Get sum of arrayList

int sum = numericList.stream().collect(Collectors.summingInt(Integer :: intValue));

System.out.println("Sum of Arrays Using Collect method :"+sum);

/\*

\* Another way of getting sum of ArrayList

\* this object can be used only once as IntStream internally performs terminal

\* operation and terminal operation can be performed only once per object

\*/

var calculateSum = IntStream.of(num);

int sum2 = calculateSum.sum();

System.out.println("Sum of Arrays Using IntStream :"+ sum2);

}

}