**Java program to sum the elements of an array**

In this tutorial we will see **how to sum up all the elements of an array**.

Program 1: No user interaction

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\* @description: Get sum of array elements

\*/

class SumOfArray{

public static void main(String args[]){

int[] array = {10, 20, 30, 40, 50, 10};

int sum = 0;

//Advanced for loop

for( int num : array) {

sum = sum+num;

}

System.out.println("Sum of array elements is:"+sum);

}

}

Output:

Sum of array elements is:160

Program 2: User enters the array’s elements

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\* @description: User would enter the 10 elements

\* and the program will store them into an array and

\* will display the sum of them.

\*/

import java.util.Scanner;

class SumDemo{

public static void main(String args[]){

Scanner scanner = new Scanner(System.in);

int[] array = new int[10];

int sum = 0;

System.out.println("Enter the elements:");

for (int i=0; i<10; i++)

{

array[i] = scanner.nextInt();

}

for( int num : array) {

sum = sum+num;

}

System.out.println("Sum of array elements is:"+sum);

}

}

Output:

Enter the elements:

1

2

3

4

5

6

7

8

9

10

Sum of array elements is:55