

Aashish Shrestha

Unit #1.2

6) Write a static method to calculate the sum of a one dimensional array.

Program :

```
package AdvanceJAVA;

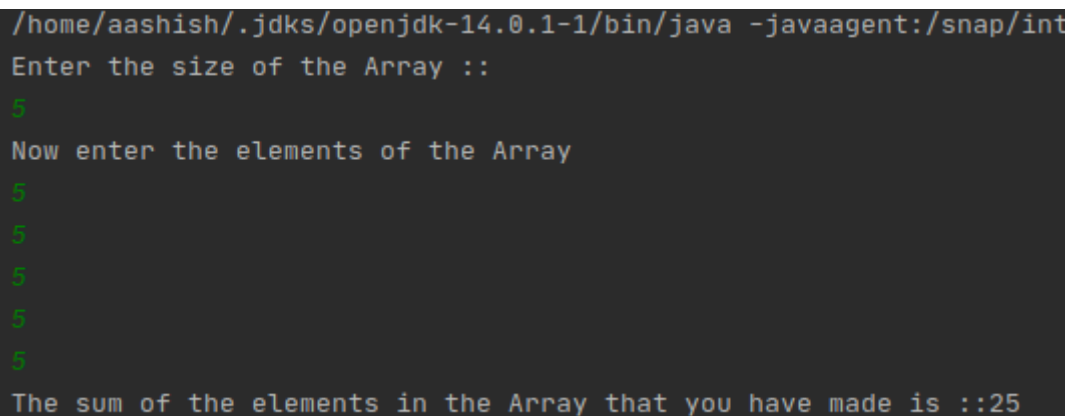
import java.util.Scanner;

public class Main {

    public static void ArraySum(int[] array) {
        int sum = 0;
        int size = array.length;
        for (int i = 0; i < size; i++) {
            sum = sum + array[i];
        }
        System.out.println("The sum of the elements in the Array that you
have made is ::" + sum);
    }

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        int size;
        System.out.println("Enter the size of the Array ::");
        size = input.nextInt();
        System.out.println("Now enter the elements of the Array");
        int[] array = new int[size];
        for (int i = 0; i < size; i++) {
            array[i] = input.nextInt();
        }
        ArraySum(array);
    }
}
```

Output :

A screenshot of a terminal window showing the execution of a Java program. The command at the top is `/home/aashish/.jdk/openjdk-14.0.1-1/bin/java -javaagent:/snap/int`. The program prompts the user to "Enter the size of the Array ::", and the user enters "5". It then prompts "Now enter the elements of the Array", and the user enters five "5"s on separate lines. Finally, it outputs "The sum of the elements in the Array that you have made is ::25".

```
/home/aashish/.jdk/openjdk-14.0.1-1/bin/java -javaagent:/snap/int
Enter the size of the Array ::
5
Now enter the elements of the Array
5
5
5
5
5
The sum of the elements in the Array that you have made is ::25
```