```java
import java.util.Scanner;

public class ArraySum {
    public static void main(String[] args) {
        Scanner input=new Scanner(System.in);
        System.out.print("enter the size of array");
        int size=input.nextInt();
        int[] elements = new int[size];
        System.out.print("Enter the elements separated by space: ");
        for (int i = 0; i < size; i++) {
            elements[i] = input.nextInt();
        }
        int sum=0;
        for(int i = 0; i < size; i++){
            sum=sum+ elements[i];
        }
        System.out.println("Sum of array elements: "+sum);
    }

}
```