

Iterating over arrays → Sum array elements greater than a value

 Medium

 8 minutes



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Write a program that reads an array of ints and an integer number **n**. The program must sum all the array elements greater than **n**.

Input data format

The first line contains the size of an array.
The second line contains elements of the array separated by spaces.
The third line contains the number **n**.

Output data format

Only a single number representing the sum.

 Report a typo

Sample Input 1:

```
5
5 8 11 2 10
8
```

Sample Output 1:

```
21
```

Sample Input 2:

```
4
-5 -4 -6 -11
-10
```

Sample Output 2:

```
-15
```

 Write a program

[Code Editor](#)

[IDE](#)

```
1  import java.util.Scanner;
2
3  class Main {
4      public static void main(String[] arStrings) {
5          Scanner scanner = new Scanner(System.in);
6          int sum = 0;
7          int n;
8          int length = scanner.nextInt();
9          int[] numbers = new int[length];
10
11         for (int i = 0; i < length; i++) {
12             numbers[i] = scanner.nextInt();
13         }
14
15         n = scanner.nextInt();
16         for (int i = 0; i < length; i++) {
17             if (numbers[i] > n) {
18                 sum += numbers[i];
19             }
20         }
21
22         System.out.println(sum);
23         scanner.close();
24     }
25 }
26
```

Java

✓ Correct.

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