

# Week 05 : Programming Assignment 4

Due on 2025-02-27, 23:59 IST

In the following program, an array of integer data to be initialized.  
During the initialization, if a user enters a value other than integer value, then it will throw InputMismatchException exception.  
On the occurrence of such an exception, your program should print "You entered bad data."  
If there is no such exception it will print the total sum of the array.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	2 2 2	4	4	Passed
Test Case 2	1 0.5	You entered bad data.	You entered bad data.	Passed

The due date for submitting this assignment has passed.  
2 out of 2 tests passed.  
You scored 100.0/100.

Assignment submitted on 2025-02-24, 00:11 IST

Your last recorded submission was :

```
1 //Prefixed Fixed Code:
2 import java.util.Scanner;
3 import java.util.InputMismatchException;
4
5 public class W05_P4 {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int length = sc.nextInt();
9         // create an array to save user input
10        int[] name = new int[length];
11        int sum=0;//save the total sum of the array.
12        // Try-catch block to handle InputMismatchException
13        try {
14            for (int i = 0; i < length; i++) {
15                name[i] = sc.nextInt(); // Read integer input
16                sum += name[i]; // Calculate sum
17            }
18            System.out.print(sum); // Print total sum
19        } catch (InputMismatchException e) {
20            System.out.print("You entered bad data."); // Handle invalid input
21        }
22
23        sc.close(); // Close the scanner
24    }
25 }
```

Sample solutions (Provided by instructor)

```
1 //Prefixed Fixed Code:
2 import java.util.Scanner;
3 import java.util.InputMismatchException;
4
5 public class W05_P4 {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int length = sc.nextInt();
9         // create an array to save user input
10        int[] name = new int[length];
11        int sum=0;//save the total sum of the array.
12        //traverse the array to find the total sum of the array.
13        try{
14            for(int i=0;i<length;i++){
15                int userInput=sc.nextInt();
16                name[i] = userInput;
17                sum=sum+name[i];
18            }
19            System.out.print(sum);
20        }
21        catch(InputMismatchException e) {
22            System.out.print("You entered bad data.");
23        }
24    }
25 }
```