

Objective

Today, we're getting started with Exceptions by learning how to parse an integer from a string and print a custom error message. Check out the [Tutorial](#) tab for learning materials and an instructional video!

Problem Task

Read a string, *S*, and print its integer value; if *S* cannot be converted to an integer, print Bad String.

Submissions Note

You must use the String-to-Integer and exception handling constructs built into your submission language. If you attempt to use loops/conditional statements, you will get a 0 score.

Submissions Input Format

A single string, *S*.

Submissions Constraints

- $1 \leq |S| \leq 6$ , where  $|S|$  is the length of string *S*.
- S* is composed of either lowercase letters (*a* – *z*) or decimal digits (*0* – *9*).

Leaderboard Output Format

Print the parsed integer value of *S*, or Bad String if *S* cannot be converted to an integer.

Discussions Sample Input 0

3

Discussions Sample Output 0

3

Editorial Sample Input 1

za

Editorial Sample Output 1

Bad String

Tutorial Explanation

Sample Case 0 contains an integer, so it should not raise an exception when we attempt to convert it to an integer. Thus, we print the 3.

Sample Case 1 does not contain any integers, so an attempt to convert it to an integer will raise an exception. Thus, our exception handler prints Bad String.

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static void main(String[] args) {
10         Scanner in = new Scanner(System.in);
11         String S = in.next();
12
13         try {
14             Integer itg = Integer.parseInt(S);
15             System.out.println(itg);
16         } catch (NumberFormatException e) {
17             System.out.println("Bad String");
18         }
19
20     }
21 }
```

Line: 21 Col: 2

☒ Upload Code as File

☐ Test against custom input

Run Code

Submit Code

You have earned 30.00 points!

You are now 5 challenges away from the 4th star for your 30 days of code badge.

29%

17/22

30

Days of Code

\*\*\*

Congratulations

You solved this challenge. Would you like to challenge your friends?

The next challenge in this tutorial will unlock in 11:04:35

Go to Dashboard

Try a Random Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Compiler Message

Success

Input (stdin)

3

Download

Expected Output

3

Download