

# Day 16: Exceptions - String to Integer

## 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!

## Task

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

**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.

## Input Format

A single string,  $S$ .

## 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 ( $0 - 9$ ).

## Output Format

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

## Sample Input 0

3

## Sample Output 0

3

## Sample Input 1

za

## Sample Output 1

Bad String

## 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 ot convert it to an integer will raise an exception. Thus, our exception handler prints **Bad String**.