**Day 16 - Exceptions - String to Integer**

<https://www.hackerrank.com/challenges/30-exceptions-string-to-integer/problem>

**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](https://www.hackerrank.com/challenges/30-exceptions-string-to-integer/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 <= |S| <= 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 to convert it to an integer will raise an exception. Thus, our exception handler prints Bad String.