

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