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Java Exception Handling (Try-catch) ★

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Problem

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Exception handling is the process of responding to the occurrence, during computation, of exceptions — anomalous or exceptional conditions requiring special processing — often changing the normal flow of program execution. (Wikipedia)

Java has built-in mechanism to handle exceptions. Using the try statement we can test a block of code for errors. The catch block contains the code that says what to do if exception occurs.

This problem will test your knowledge on try-catch block.

You will be given two integers x and y as input, you have to compute x/y . If x and y are not 32 bit signed integers or if y is zero, exception will occur and you have to report it. Read sample Input/Output to know what to report in case of exceptions.

Sample Input 0:

```
10
3
```

Sample Output 0:

```
3
```

Sample Input 1:

```
10
Hello
```

Sample Output 1:

```
java.util.InputMismatchException
```

Sample Input 2:

```
10
0
```

Sample Output 2:

Author

Shafaet

Difficulty

Easy

Max Score

10

Submitted By

126681

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```
java.lang.ArithmeticException: / by zero
```

Sample Input 3:

```
23.323
0
```

Sample Output 3:

```
java.util.InputMismatchException
```

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Language

Java 15



```
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      public static void main(String[] args) {
7          Scanner scanner = new Scanner(System.
8              in);
9          try {
10             int a = scanner.nextInt();
11             int b = scanner.nextInt();
12             System.out.println(a / b);
13         } catch (ArithmeticException e) {
14             System.out.println("java.lang.
15 ArithmeticException: / by zero");
16         } catch (InputMismatchException e) {
17             System.out.println("java.util.
18 InputMismatchException");
19         }
20     }
21     scanner.close();
22 }
```

Line: 21 Col: 2

 Upload Code as File☐

Test against custom input

Run Code

Submit Code



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64%

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 Test case 0

Compiler Message

 Test case 1

Success

 Test case 2

Input (stdin)

[Download](#)

1 10

 Test case 3


2 3

 Test case 4

Expected Output

[Download](#)

1 3

 Test case 5  Test case 6 

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