




# 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:

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

## Sample Input 3:

```
23.323
0
```

### Sample Output 3:

```
java.util.InputMismatchException
```

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Max Score: 10

Difficulty: Easy

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Java 7   

```
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         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
11     }
12 }
```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ Test against custom input

Run Code

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