



Exceptions ★

65/115 challenges solved

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Exceptions

Errors detected during execution are called exceptions.

Examples:

ZeroDivisionError

This error is raised when the second argument of a division or modulo operation is zero.

```
>>> a = '1'
>>> b = '0'
>>> print int(a) / int(b)
>>> ZeroDivisionError: integer division or modulo by zero
```

ValueError

This error is raised when a built-in operation or function receives an argument that has the right type but an inappropriate value.

```
>>> a = '1'
>>> b = '#'
>>> print int(a) / int(b)
>>> ValueError: invalid literal for int() with base 10: '#'
```

To learn more about different built-in exceptions [click here](#).

Handling Exceptions

The statements try and except can be used to handle selected exceptions. A try statement may have more than one except clause to specify handlers for different exceptions.

```
#Code
try:
    print 1/0
except ZeroDivisionError as e:
    print "Error Code:",e
```

Output

Error Code: integer division or modulo by zero

Task

You are given two values **a** and **b**.

Perform integer division and print **a/b**.

Input Format

The first line contains **T**, the number of test cases.

The next **T** lines each contain the space separated values of **a** and **b**.

Constraints

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- $0 < T < 10$

Output Format

Print the value of a/b .

In the case of ZeroDivisionError or ValueError, print the error code.

Sample Input

```
3
1 0
2 $
3 1
```

Sample Output

```
Error Code: integer division or modulo by zero
Error Code: invalid literal for int() with base 10: '$'
3
```

Note:

For integer division in **Python 3** use `//`.

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Language

Python 3



```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
2 T = int(input())
3 for _ in range(T):
4     a, b = input().split()
5     try:
6         print(int(a)//int(b))
7     except Exception as e:
8         print(f"Error Code: {e}")
9
10
```

EMACS

Line: 1 Col: 1

 Upload Code as File

☐ Test against custom input

Run Code

Submit Code

You have earned 10.00 points!
65/115 challenges solved.



57%



Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

- ✔ Test case 0
- ✔ Test case 1 
- ✔ Test case 2 

Compiler Message

Success

Input (stdin)

```
1 3
2 1 0
3 2 $
4 3 1
```

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Expected Output

```
1 Error Code: integer division or modulo by zero
2 Error Code: invalid literal for int() with base 10: '$'
3 3
```

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