



Exceptions ☆

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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

Author

DOSHI

Difficulty

Easy

Max Score

10

Submitted By

15183

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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

- $0 < T < 10$

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 `//`.

Current Buffer (saved locally, editable)



Python 3



```
1 n=int(input())
2 for i in range(n):
3     try:
4         a,b=map(int,input().split())
5         print(a//b)
6     except Exception as e:
7         print("Error Code:",e)
```

Line: 7 Col: 27

Upload Code as File

☐ Test against custom input

Run Code

Submit Code



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Congratulations

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✔ Testcase 0 ✔ Testcase 1 ✔ Testcase 2

Input (stdin)

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Expected Output

Download

3
1 0
2 \$
3 1

Error Code: integer divisio
n or modulo by zero
Error Code: invalid literal
for int() with base 10:

Compiler Message

Success