

# 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

### 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 `//`.

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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
4 for n in range(T):
5     x, y = input().split(" ")
6     try:
7         print(int(x) // int(y))
8     except Exception as e:
9         print("Error Code:", e)
10
11
```

Line: 9 Col: 32

 Upload Code as File☐ Test against custom input

Run Code

Submit Code

## Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

### ✓ Sample Test case 0

Input (stdin)

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

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Your Output (stdout)

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

Expected Output

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