HackerRank

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 //.

Change Theme   Language   Python 3 ▾   ↻ ⤢ ⋮

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

Line: 4 Col: 30

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code

You have earned 10.00 points!
41/115 challenges solved.

36%

Congratulations

You solved this challenge. Would you like to challenge your friends? [f] [t] [in]

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Next Challenge

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⊘ **Test case 0**

⊘ **Test case 1** 🔒

⊘ **Test case 2** 🔒

Compiler Message

Success

Input (stdin)   Download

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

Expected Output   Download

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