

**PRACTICE** 

COMPETE

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Practice > Python > Errors and Exceptions > Exceptions

## **Exceptions** ☆

103/115 challenges solved

Rank: **1894** | Points: **2075** (!)



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| Problem  | Submissions                         | Leaderboard               | Discussions                    | Editorial 🖰 |                           |
|--|-------------------------------------|---------------------------|--------------------------------|-------------|---------------------------|
| Exceptions   |                                     |                           |                                |             | Author                    |
|  |                                     |                           |                                |             | Difficulty                |
| Errors detected during execution are called <i>exceptions</i> .  |                                     |                           |                                |             | Max Score<br>Submitted By |
| Examples:  |                                     |                           |                                |             | NEED HELP?                |
| ZeroDivisionError  |                                     |                           |                                |             |                           |
| This error is raised when the second argument of a division or modulo operation is zero.                         |                                     |                           |                                |             | View disc                 |
| >>> a = '1'  |                                     |                           |                                |             | View edite                |
| >>> b = '0'  | (a) / int(b)                        |                           |                                |             | <b>♥</b> View top         |
| <pre>&gt;&gt;&gt; print int(a) / int(b) &gt;&gt;&gt; ZeroDivisionError: integer division or modulo by zero</pre> |                                     |                           |                                |             | RATE THIS CHA             |
| ValueError   |                                     |                           |                                |             |                           |
| This error is raised when a built-in operation or function receives an argument that has the right type          |                                     |                           |                                |             | MORE DETA                 |
| but an inappropriate value.  |                                     |                           |                                | 7.          | <b>J</b> Download         |
|  |                                     |                           |                                |             | _                         |
| >>> a = '1'<br>>>> b = '#'   |                                     |                           |                                |             | <b>⊥</b> Download         |
| >>> print int  |                                     |                           |                                |             | Suggest E                 |
| >>> ValueErro  | or: invalid literal                 | for int() with bas        | se 10: '#'                     |             | f y                       |
| To learn more about differ   | rent built-in exceptions click here | 2.                        |                                |             |                           |
| Handling Exce  | ptions                              |                           |                                |             |                           |
| The statements <i>try</i> (  | and <i>except</i> can be used       | to handle selected exce   | ptions. A <i>try</i> statement | may have    |                           |
| more than one exce   | ept clause to specify han           | dlers for different excep | tions.                         |             |                           |
| #Code  |                                     |                           |                                |             |                           |
| try:<br>print 1/0  | )                                   |                           |                                |             |                           |
| •  | visionError as e:                   |                           |                                |             |                           |
| p  | , , <del>, .</del>                  |                           |                                |             |                           |
| Output   |                                     |                           |                                |             |                           |
| Error Code: integer  | division or modulo by ze            | ero                       |                                |             |                           |

| Author       | DOSHI |
|--------------|-------|
| Difficulty   | Easy  |
| Max Score    | 10    |
| Submitted By | 15183 |
|              |       |

## ?

- cussions
- itorial
- submissions

HALLENGE

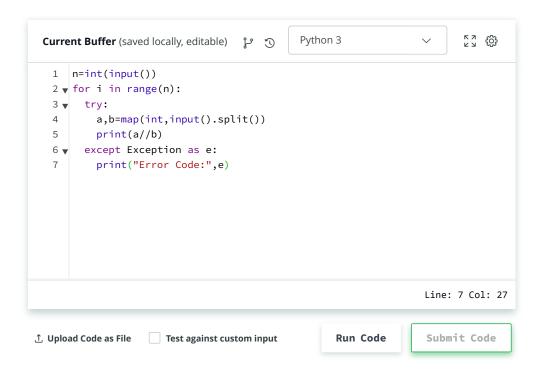


## AILS

- ad problem statement
- ad sample test cases
- Edits

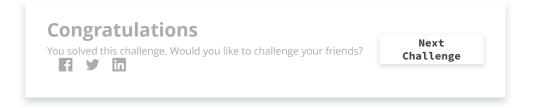


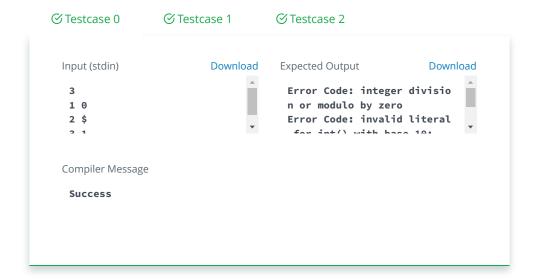
```
Task
You are given two values m{a} and m{b}.
Perform integer division and print a/b.
Input Format
The first line contains T, the number of test cases.
The next m{T} lines each contain the space separated values of m{a} and m{b}.
Constraints
• 0 < T < 10
Output Format
Print the value of a/b.
In the 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: '$'
Note:
For integer division in Python 3 use //.
```





90%





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