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hackerank.com/challenges/exceptions/problem?isFullScreen=true

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HackerRank

Prepare > Python > Errors and Exceptions > Exceptions

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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 `//`.

You have earned 10.00 points!
37/115 challenges solved. 32%

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Test case 1 Test case 2

Compiler Message

Success

Input (stdin)

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

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Segue stream training - Further x Classes: Dealing with Complex Numbers x +

hackerank.com/challenges/class-1-dealing-with-complex-numbers/problem?isFullScreen=true

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Prepare > Python > Classes > Classes: Dealing with Complex Numbers

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```
0.20+0.11i
2.24+0.00i
7.81+0.00i
```

Concept

Python is a fully object-oriented language like C++, Java, etc. For reading about classes, refer [here](#).

Methods with a double underscore before and after their name are considered as built-in methods. They are used by interpreters and are generally used in the implementation of overloaded operators or other built-in functionality.

`__add__` -> Can be overloaded for + operation

`__sub__` -> Can be overloaded for - operation

`__mul__` -> Can be overloaded for * operation

For more information on operator overloading in Python, refer [here](#).

You have earned 20.00 points!
38/115 challenges solved. 33%

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Test case 1 Test case 2 Test case 3 Test case 4 Test case 5

Compiler Message

Success

Input (stdin)

```
2 1
5 6
```

Expected Output

```
7.00+7.00i
-3.00-5.00i
4.00+17.00i
```

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Segue stream training - Further x Class 2 - Find the Torsional Angl x +

hackerank.com/challenges/class-2-find-the-torsional-angle/problem?isFullScreen=true

HackerRank Prepare Python Classes Class 2 - Find the Torsional Angle Exit Full Screen View

Problem

You are given four points A, B, C and D in a 3-dimensional Cartesian coordinate system. You are required to print the angle between the plane made by the points A, B, C and B, C, D in degrees(not radians). Let the angle be PHI .

$\cos(PHI) = (X \cdot Y) / (|X| |Y|)$ where $X = AB \times BC$ and $Y = BC \times CD$.

Here, $X \cdot Y$ means the dot product of X and Y , and $AB \times BC$ means the cross product of vectors AB and BC . Also, $AB = B - A$.

Input Format

One line of input containing the space separated floating number values of the X, Y and Z coordinates of a point.

Output Format

Output the angle correct up to two decimal places.

Sample Input

```
0 4 5
1 7 6
0 5 9
1 7 2
```

Sample Output

```
8.19
```

Upload Code as File Test against custom input Run Code Submit Code

You have earned 20.00 points!
39/115 challenges solved. 34%

Congratulations
You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Test case 1 Test case 2 Test case 3 Test case 4

Compiler Message
Success

Input (stdin)
Download

```
1 0 4 5
2 1 7 6
3 0 5 9
4 1 7 2
```

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Segue stream training - Further x Calendar Module | HackerRank x +

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Task

You are given a date. Your task is to find what the day is on that date.

Input Format

A single line of input containing the space separated month, day and year, respectively, in $MM DD YYYY$ format.

Constraints

- $2000 < year < 3000$

Output Format

Output the correct day in capital letters.

Sample Input

```
08 05 2015
```

Sample Output

```
WEDNESDAY
```

Explanation

The day on August 5th 2015 was WEDNESDAY.

You have earned 10.00 points!
40/115 challenges solved. 35%

Congratulations
You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Test case 1 Test case 2 Test case 3 Test case 4 Test case 5

Compiler Message
Success

Input (stdin)
Download

```
1 08 05 2015
```

Expected Output
Download

```
1 WEDNESDAY
```

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Segue stream training - Further x Time Delta | HackerRank x +

hackerank.com/challenges/python-time-delta/problem?isFullScreen=true

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Prepare > Python > Date and Time > Time Delta

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Submissions

year ≤ 3000 .

Output Format

Print the absolute difference ($t_1 - t_2$) in seconds.

Sample Input 0

```
2
Sun 10 May 2015 13:54:36 -0700
Sun 10 May 2015 13:54:36 -0000
Sat 02 May 2015 19:54:36 +0530
Fri 01 May 2015 13:54:36 -0000
```

Sample Output 0

```
25200
88200
```

Explanation 0

In the first query, when we compare the time in UTC for both the time stamps, we see a difference of 7 hours, which is 7×3600 seconds or 25200 seconds.

Similarly, in the second query, time difference is 5 hours and 30 minutes for time zone adjusting for that we have a difference of 1 day and 30 minutes. Or $24 \times 3600 + 30 \times 60 \Rightarrow 88200$

You have earned 30.00 points!

41/115 challenges solved.

36%

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Success

Test case 1 [Download](#)

Test case 2 [Download](#)

Input (stdin) [Download](#)

```
2
Sun 10 May 2015 13:54:36 -0700
Sun 10 May 2015 13:54:36 -0000
Sat 02 May 2015 19:54:36 +0530
Fri 01 May 2015 13:54:36 -0000
```

Expected Output [Download](#)

```
25200
88200
```

Type here to search

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Segue stream training - Further x Arrays | HackerRank x +

hackerank.com/challenges/np-arrays/problem?isFullScreen=true

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Prepare > Python > Numpy > Arrays

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Submissions

```
b = numpy.array([1,2,3,4,5],float)
print b[1] #2.0
```

In the above example, `numpy.array()` is used to convert a list into a NumPy array. The second argument (float) can be used to set the type of array elements.

Task

You are given a space separated list of numbers.

Your task is to print a reversed NumPy array with the element type `float`.

Input Format

A single line of input containing space separated numbers.

Output Format

Print the reverse NumPy array with type float.

Sample Input

```
1 2 3 4 -8 -10
```

Sample Output

```
[-10. -8.  4.  3.  2.  1.]
```

You have earned 20.00 points!

42/115 challenges solved.

37%

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0 Success

Test case 1 [Download](#)

Compiler Message

Success

Input (stdin) [Download](#)

```
1 1 2 3 4 -8 -10
```

Expected Output [Download](#)

```
[-10. -8.  4.  3.  2.  1.]
```

Type here to search

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Segue stream training - Further

Incorrect Regex | HackerRank

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Input Format

The first line contains integer T , the number of test cases.
The next T lines contains the string S .

Constraints

$0 < T < 100$

Output Format

Print "True" or "False" for each test case without quotes.

Sample Input

```
2
. +\+
. ++
```

Sample Output

```
True
False
```

Explanation

`. +\+` : Valid regex.

`. ++` : Has the error `multiple repeat`. Hence, it is invalid.

You have earned 20.00 points!

43/115 challenges solved.

37%

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 2
2 . +\+
3 . ++
```

Expected Output

```
1 True
2 False
```

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