Mod Divmod ★

50/115 challenges solved

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One of the built-in functions of Python is divmod, which takes two arguments a and b and returns a tuple containing the quotient of a/b first and then the remainder a.

For example:

```
>>> print divmod(177,10)
(17, 7)
```

Here, the integer division is `177/10 => 17` and the modulo operator is `177%10 => 7`.

Task

Read in two integers, a and b, and print three lines.

The first line is the integer division $a//b$ (While using Python2 remember to import `division` from `__future__`).

The second line is the result of the modulo operator: $a\%b$.

The third line prints the divmod of a and b.

Input Format

The first line contains the first integer, a, and the second line contains the second integer, b.

Output Format

Print the result as described above.

Sample Input

```
177
10
```

Sample Output

```
17
7
(17, 7)
```

Change Theme Python 3

```
1  if __name__ == '__main__':
2      a = int(input())
3      b = int(input())
4
5      result = divmod(a, b)
6      quotient, reminder = result
```

```
7
8       print(quotient)
9       print(reminder)
10      print(result)
11
```

Line: 11 Col: 1

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

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50/115 challenges solved.

43%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Compiler Message

Success

Input (stdin) Download

```
1 177
2 10
```

Expected Output Download

```
1 17
2 7
3 (17, 7)
```