Mod Divmod

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Mod Divmod

HackerRank

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)
```

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Language
Python 3
# Enter your code here. Read input from STDIN. Print output to STDOUT
a = int(input())
b = int(input())
print(a//b)
print(a % b)
print(divmod(a, b))