Divisibly by K

Ended

Description

- You are given two numbers stored in the variable with the following names,

```
num, K
```

- You have to print all the numbers in the range `[1,num]`, such that for each number, the operation `i % K == 0`, where `i` refers to the numbers present in that range
- Print each number on a new line

Input

The first and the only line of input contains two values, stored in `num, K` respectively

Output

- You have to print all the numbers in the range `[1,num]`, such that for each number, the operation `i % K == 0`, where `i` refers to the numbers present in that range

Sample Input 1

```
7 2
```

Sample Output 1

```
2
4
6
```

Hint

- In the sample test case, the value stored in `num = 7`, and the value stored in `K = 2`. All the values in the range from `[1, 7]`, for whom the `i % K == 0` is true are

```
2
4
6
```

Therefore, the above numbers become the required output

Divisibly by K II

Ended

Description

- You are given two numbers stored in the variable with the following names,

```
num, K
```

- You have to print the sum of all the numbers in the range `[1,num]`, such that for each number, the operation `i % K == 0`, where `i` refers to the numbers present in that range

Input

The first and the only line of input contains two values, stored in `num, K` respectively

Output

- You have to print the sum of all the numbers in the range `[1,num]`, such that for each number, the operation `i % K == 0`, where `i` refers to the numbers present in that range

Sample Input 1

```
7 2
```

Sample Output 1

```
12
```

Hint

- In the sample test case, the value stored in `num = 7`, and the value stored in `K = 2`. All the values in the range from `[1, 7]`, for whom the `i % K == 0` is true are

```
2
4
6
```

Therefore, the `sum = 2 + 4 + 6 = 12`, which is the required output

Masai Divisors

Ende

Description

```
You are provided 3 integers: left, right and k.
Your task is to write a program that finds out the count of all such numbers between lefts and right (both inclusive) which are divided by k.
```

Input

Input Format

First line contains 3 space separated integers which are left, right and k respectively.

Constraints

0 <= left, right, k <= 10000

Output

```
Output the count as mentioned in problem description.
```

Sample Input 1

```
1 10 3
```

Sample Output 1

```
3
```

Hint

In this test case

left is 1, right is 10 and k is 3.

So all numbers between 1 to 10 are [1, 2, 3, 4, 5, 6, 7, 8, 9, 10].

From above numbers, numbers divisible by 3 are [3, 6, 9]. So total count of numbers divisible by 3 are 3.

Find Sum of Multiples

Description

```
You are given three integers: n, k, y.
You have to print the sum of first k multiples of n, on a condition that it should be divisible by y.
```

Input

Input Format :

```
The input line contains 3 spaced integers which are n, k and y.
```

Constraints :

```
1 <= n <= 1000
1 <= y <= 1000
1 <= k <= 10^4
```

Output

```
Output the sum as mention in problem description.
```

Sample Input 1

```
3 10 5
```

Sample Output 1

```
45
```

Hint

Output Explanation :

For the sample input, n = 3, k = 10 and y = 5

First k multiples of n are (First 10 multiples of 3):- 3 6 9 12 15 18 21 24 27 30

Numbers from above which are visible by y (i.e 5) are:- 15, 30.

Sum of numbers divisible by 15 and 30 is 15+30 = 45.

Fizzz buzzz

Ended

Description

- You are given a number stored in a variable with the name `num`
- For all numbers in the range `[1,num], including num`

```
1. If the number is divisible by 3 and 5 both, print "FizzBuzz" without quotes

2. Else If the number is divisible by 3, print "Fizz", without quotes

3. Else If the number is divisible by 5, print "Buzz", without quotes

4. Else, print the number as it is
```

Input

TThe first line contains the value stored in the variable `num`

Output

Print the required output, according to the conditions shown in the problem statement

Sample Input 1

```
3
```

Sample Output 1

```
1
2
Fizz
```

Hint

The value stored in `num = 3` . Therefore, all the values in the range from `[1,3]` are printed. Since, the number `3` is divisible by `3` , therefore, instead of writing 3, we write `Fizz`

Hence, the output becomes

```
1
2
Fizz
```