

Saying hello [sample]

You want to test your programming skills by making a modified version of the classic `Hello, world!` -program. Your program should read a number n , and then print n lines containing `Hello, world!`.

Input

Input consists of a single line with an integer n , the number of `Hello, world!` you should output.

Output

Output n lines containing `Hello, world!`.

Constraints

$$1 \leq n \leq 10^3$$

Sample input 1

```
1
```

Sample output 1

```
Hello, world!
```

Sample input 2

```
5
```

Sample output 2

```
Hello, world!  
Hello, world!  
Hello, world!  
Hello, world!  
Hello, world!
```

Solution

```
from sys import stdin

n = int(stdin.read())

for i in xrange(n):
    print 'Hello, world!'
```