ASSIGNMENT (3)

Loops

Grade: 100 Point

Deadline: 11/12/2024 - 12:00AM

Class Room Link

Name:

E-Mail:

ID:

Note:

If you do not have an ID yet, please leave it blank and we will contact you to provide your ID.

input	Сору
5	
output	Сору
1	
2	
3	
4	
5	

Question One [10 point]

Given a number N. Print numbers from 1 to N in separate lines.

Input

Only one line containing a number N ($1 \le N \le 10^3$).

Output

Print *N* lines according to the required above.

Example

Question Two [10 point]

Given a number N. Print all even numbers between 1 and N inclusive in separate lines.

Input

Only one line containing a number $N (1 \le N \le 10^3)$.

Output

Print the answer according to the required above.

Example

input	Сору
10	
output	Сору
2	
4	
6	
8	
10	

Question Three [15 point]

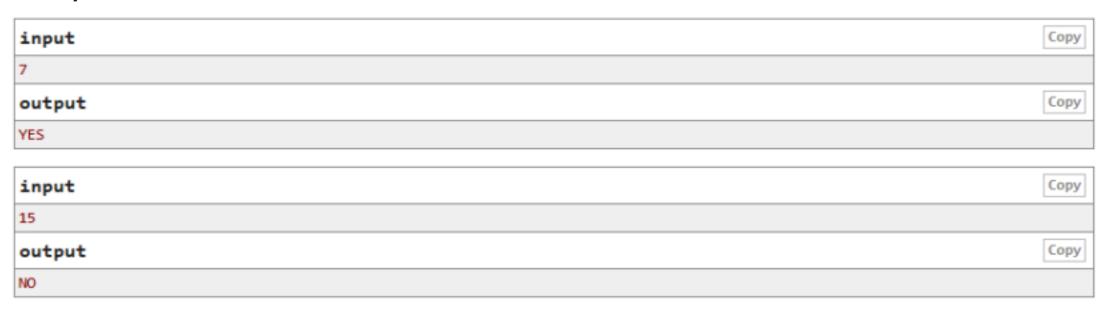
Given a number X. Determine if the number is prime or not

Note:

A prime number is a number that is greater than 1 and has only two factors which are 1 and itself. In other

words: prime number divisible only by 1 and itself.

Example



Question Four [20 point]

Given a number N, and N numbers, find maximum number in these N numbers.

Input

First line contains a number $N (1 \le N \le 10^3)$.

Second line contains *N* numbers X_i ($0 \le X_i \le 10^9$).

Output

Print the maximum number.

Example



```
input

5
-5 0 -3 -4 12

output

Even: 3
Odd: 2
Positive: 1
Negative: 3
```

Question Five [20 point]

Given N numbers. Count how many of these values are even, odd, positive and negative.

Input

First line contains one number N ($1 \le N \le 10^3$) number of values.

Second line contains *N* numbers ($-10^5 \le X_i \le 10^5$).

Output

Print four lines

Example

Question Six [25 point]

Given a number N. Print a left angled triangle that has N rows.

For more clarification see the example below.

Input

Only one line containing a number $N (1 \le N \le 99)$.

Output

Print the answer according to the required above.

Example



Note

Don't print any extra spaces after symbol " * ".

Notes:

- Submitting the assignment within 24 hours of its release will earn you a +10 bonus.
- Submitting the assignment after the practice session will result in receiving only half of the grade.

• If you facing any difficulties with the assignment, feel free to reach out to any instructor for assistance.