Divisors

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Given a number N. Print all the **divisors** of N in ascending order.

Input

Only one line containing a number N ($1 \le N \le 10^4$).

Output

Print all **positive divisors** of N, one number per line.

Example

standard input	standard output
6	1 2 3 6
7	1 7
4	1 2 4

Note
Divisor of Number is A number that divides the integer exactly (no remainder).

In other words the division works perfectly with no fractions or remainders involved.

Examples:

- **3** is a divisor of **12**, because 12 ÷ 3 = 4 exactly
- **4** is a divisor of **12**, because 12 ÷ 4 = 3 exactly.
- **5** is not a divisor of **12**, because 12 ÷ 5 = 2 with a remainder of 2.

a divisor is also a factor of the original integer.