Print

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	64 megabytes

Given a number N. Print all numbers from **1** to N.

Note: Solve this problem using function.

Input

Only one line contains a number N $(1 \leq N \leq 10^3)$.

Output

print numbers form **1** to N separated by a single space.

Example

standard input	standard output
5	1 2 3 4 5

Note

Don't use any leading or trilling spaces.