#include <iostream>

using namespace std;

int main() {

// Declare variable for input

int num, i = 1;

// Ask user for integer

cout << "Enter an integer: ";

cin >> num;

// Show the factors

cout << "Factors of " << num << ": ";

// Loop to check for factors

do {

if (num % i == 0) {

cout << i << " ";

}

i++;

} while (i <= num);

cout << endl; // For better output formatting

return 0;

}