#include <iostream>

#include <iomanip>

using namespace std;

int main() {

float num1, num2;

cout << "Enter first number: ";

cin >> num1;

cout << "Enter second number: ";

cin >> num2;

cout << fixed << setprecision(3);

cout << "\n--- Using floating point numbers ---\n";

cout << "Sum = " << num1 + num2 << endl;

cout << "Difference = " << num1 - num2 << endl;

cout << "Product = " << num1 \* num2 << endl;

cout << "Quotient = " << num1 / num2 << endl;

int a = (int)num1;

int b = (int)num2;

cout << "\n--- After converting to integers ---\n";

cout << "Sum = " << a + b << endl;

cout << "Difference = " << a - b << endl;

cout << "Product = " << a \* b << endl;

cout << "Quotient = " << a / b << endl;

cout << "\n(Note: When we change float to int, the decimal part is removed." << endl;

cout << " So results may be different, especially in division.)" << endl;

return 0;

}