#include <iostream>

using namespace std;

template <class T>

class Calculator

{

private:

T num1, num2;

public:

Calculator(T n1, T n2)

{

num1 = n1;

num2 = n2;

}

void displayResult()

{

cout << "Numbers are: " << num1 << " and " << num2 << "." << endl;

cout << "Addition is: " << add() << endl;

cout << "Subtraction is: " << subtract() << endl;

cout << "Multiplication is: " << multiply() << endl;

cout << "Division is: " << divide() << endl;

}

T add() { return num1 + num2; }

T subtract() { return num1 - num2; }

T multiply() { return num1 \* num2; }

T divide() { return num1 / num2; }

};

int main()

{

Calculator<int> intCalc(2, 1);

Calculator<float> floatCalc(2.4, 1.2);

cout << "Int results:" << endl;

intCalc.displayResult();

cout << endl << "Float results:" << endl;

floatCalc.displayResult();

return 0;

}