#include<iostream>

using namespace std;

int main()

{

cout << "Enter 1 for calculator \n Enter 2 to check positive/negative or zero \t:";

int selection;

cin >> selection;

if (selection == 2)

{

int input;

cout<< "Enter a number to check for +ve, -ve or zero: ";

cin >> input;

if (input == 0) { cout << "You entered 0 \n"; }

if (input < 0) { cout << "You entered negative \n"; }

if (input > 0) { cout << "You entered positive \n"; }

}

else

if (selection == 1)

{

float a, b;

cout << "Enter first number : ";

cin >> a;

cout << "Enter second number : ";

cin >> b;

cout << "Enter +,-,\*,/ or % : ";

int x = static\_cast<int> (a);

int y = static\_cast<int> (b);

char symbol;

cin >> symbol;

switch (symbol)

{

case '+':

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

break;

case '-':

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

break;

case '\*':

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

break;

case '/':

if (b != 0)

{

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

break;

}

else

{ cout << "The second number entered is 0. \n";

}

case '%':

cout << a << " % " << b << " = " << x % y << endl;

break;

default:

cout << "You didnot enter desired operation. \n";

}

}

system("pause");

return 1;

}