#include<iostream>

using namespace std;

int AddNum(int num1, int num2);

int SubNum(int num1, int num2);

int MultNum(int num1, int num2);

int DiviNum(int num1, int num2);

int ModNum(int num1, int num2);

int main() {

int num1, num2, selection;

cout << "Please enter an integer: ";

cin >> num1;

cout << "Please enter another integer: ";

cin >> num2;

cout << "Select action:\n";

cout << "1. Addition\n";

cout << "2. Subtraction\n";

cout << "3. Multiplication\n";

cout << "4. Division\n";

cout << "5. Modular Division\n";

cout << "Selection: ";

cin >> selection;

switch(selection) {

case 1:

cout << AddNum(num1,num2);

break;

case 2:

cout << SubNum(num1,num2);

break;

case 3:

cout << MultNum(num1,num2);

break;

case 4:

cout << DiviNum(num1,num2);

break;

case 5:

cout << ModNum(num1,num2);

break;

default:

cout << "Invalid selection\n";

}

return 0;

}

int AddNum(int num1, int num2) {

return num1 + num2;

}

int SubNum(int num1, int num2) {

return num1 - num2;

}

int MultNum(int num1, int num2) {

return num1 \* num2;

}

int DiviNum(int num1, int num2) {

return num1 / num2;

}

int ModNum(int num1, int num2) {

return num1 % num2;

}