#include <iostream>

using namespace std;

class Complex {

private:

int real, img;

public:

Complex() {

real = 0;

img = 0;

}

Complex(int r, int i) {

real = r;

img = i;

}

void operator+(Complex c) {

Complex c1;

c1.real = real + c.real;

c1.img = img + c.img;

cout<<"The number is:"<<c1.real<<"+"<<c1.img<<"i"<<endl;

}

void operator\*(Complex c) {

Complex c3;

int rr=real\*c.real;

int ii=img\*c.img;

int ri=real\*c.img;

int ir=img\*c.real;

c3.real=(rr-ii);

c3.img=(ir+ri);

cout << "The Number is :" <<c3.real << "+"<<c3.img << "i" << endl;

}

void operator>>(Complex c) {

cout<<"Enter the number:";

cin>>c.real>>c.img;

}

void operator<<(Complex c) {

cout<<"The Number is:"<<c.real<<"+"<<c.img<<"i";

}

};

int main() {

Complex c1, c2;

Complex c3(2, 5), c4(5, 6),c5(2,6);

int choice = 1, ch;

while (choice == 1) {

cout << "\n!!!!!MENU!!!!!";

cout << "\n1.ACCEPT THE REAL AND IMAGINARY NUMBERS";

cout << "\n2.PRINTING THE COMPLEX NUMBER";

cout << "\n3.ADDITION OF TWO NUMBERS";

cout << "\n4.MULTIPLICATION OF TWO NUMBERS";

cout << "\nEnter your choice:";

cin >> ch;

switch (ch) {

case 1:

c1>> c2;

break;

case 2:

c1 << c5;

break;

case 3:

c3+c4;

break;

case 4:

c3 \* c4;

}

cout << "\nWant to continue:";

cin >> choice;

}

}

