#include<iostream>

using namespace std;

class Complex {

double real;

double imag;

public:

Complex(double r = 0.0, double i = 0.0);

void print();

Complex operator+(Complex c);

};

Complex::Complex(double r, double i)

{

real = r; imag = i;

}

Complex Complex::operator+(Complex c)

{

Complex temp;

temp.real = real\*c.real-imag\*c.imag;

temp.imag = real\*c.imag+c.real\*imag;

return temp;

}

void Complex::print()

{

cout << "total real=" << real << " " << " total imag=" << imag << endl;

}

int main()

{

double x1, x2, y1, y2;

cin >> x1 >> y1 >> x2 >> y2;

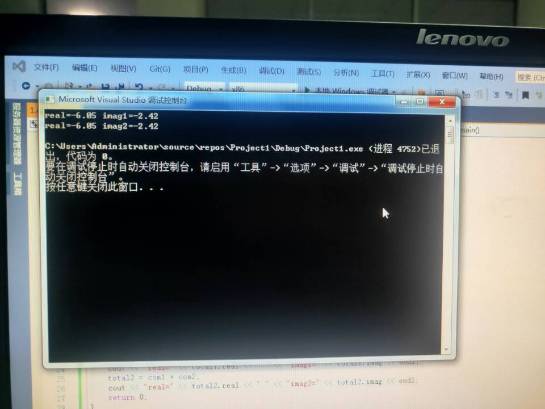
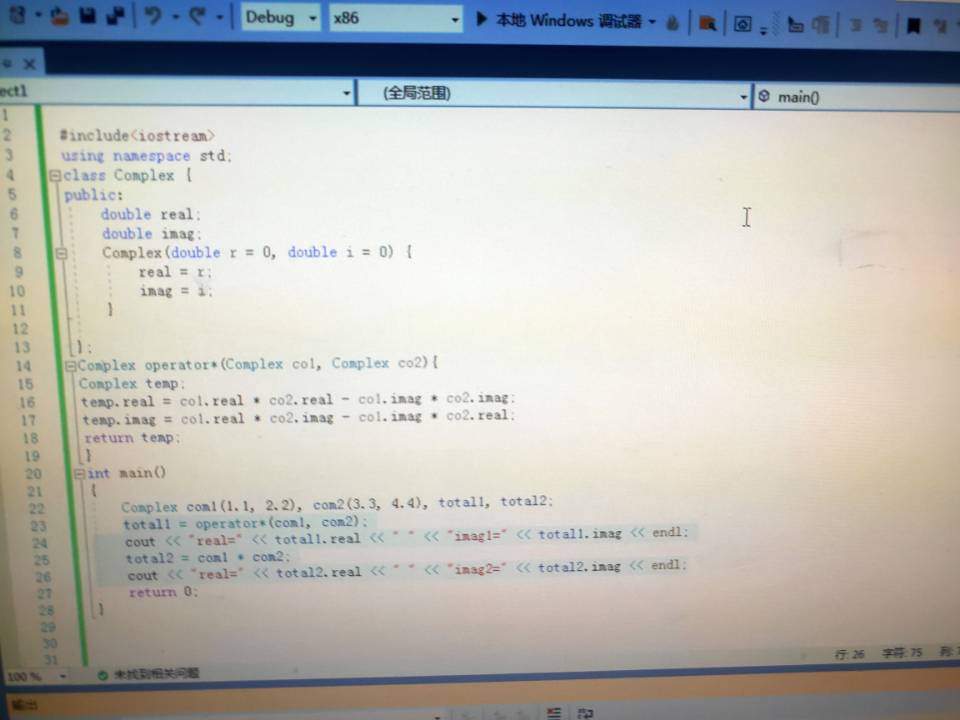
Complex com1(x1, y1), com2(x2, y2), total1;

total1 = com1 + com2;

total1.print();

return 0;

}



实验心得

此次实验我掌握了c++语言多态性的基本概念，掌握了运算符重载函数的声明和定义方法，成功编写程序，求得了两个复数的乘法。

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