**程序代码：**

#include<iostream>

using namespace std;

class Complex{

double real;

double imag;

public:

Complex(double r =0,double i=0)

{

real=r; imag=i;

}

void print();

friend Complex operator\*(Complex co1,Complex co2);

};

Complex operator\*(Complex co1,Complex co2)

{

Complex temp;

temp.real = co1.real\*co2.real-co1.imag\*co2.imag;

temp.imag = co1.real\*co2.imag+co2.real\*co1.imag;

return temp;

}

void Complex::print()

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

int main()

{

Complex com1(1,2),com2(3,4),total1;

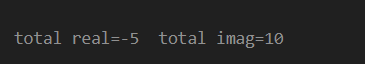
total1 = com1 \* com2;

total1.print();

return 0;

}

**程序结果：**



**感想心得：**

本次上机实验为最后一次上机实验，总体来说，运算符重载实际上是类的一个补充，本次实验相比于4,5,6就要轻松许多，复数的乘法相比于加法而言仅仅是算法有所改变，但我们更应该进行实践，由此对运算符重载有更深入的理解。