Week 7-8-9

Q12. Overload binary operator + to add two complex numbers

#include <iostream>

using namespace std;

class Complex {

public:

float real, imag;

Complex(float r, float i) : real(r), imag(i) {}

Complex operator+(const Complex &c) { // Overloading binary + operator

return Complex(real + c.real, imag + c.imag);

}

};

int main() {

Complex c1(2.5, 3.5);

Complex c2(1.5, 2.5);

Complex c3 = c1 + c2; // Using overloaded + operator

cout << "Sum: (" <<c3.real <<", " <<c3.imag <<")" << "\n";

return 0;

}