作业12  
1131190111-唐川淇

注：请周二24:00前提交至钉钉群相应文件夹中  
任务：定义复数类的加法与减法，使之能够执行下列运算：

（需要重载运算符<<）

Complex a(2,5), b(7,8), c(0,0);

c = a + b;

cout <<c;

c = 4.1 + a;

cout <<c;

c = b + 5.6;

cout <<c;

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| #include<iostream>  using namespace std;  class Complex{  double real,image;  public:  Complex(double r=0,double i=0){  real=r;  image=i;  }  void display(ostream& out){  out<<real<<"+"<<image<<"i"<<endl;  }  Complex operator+(const Complex &c){  Complex temp(real+c.real,image+c.image);  return temp;  }  Complex operator+(double num){  Complex temp(real+num,image);  return temp;  }  friend Complex operator+(double num,const Complex &c);  Complex operator-(const Complex &c){  Complex temp(real-c.real,image-c.image);  return temp;  }  };  Complex operator+(double num,const Complex &c){  Complex temp(c.real+num,c.image);  return temp;  }  ostream& operator<<(ostream& out,Complex t){  t.display(out);  return out;  }  int main(){  Complex a(2,5), b(7,8), c(0,0);  c = a + b;  cout <<c;  c = 4.1 + a;  cout <<c;  c = b + 5.6;  cout <<c;  } |

