2.1

```
#include <iostream>
using namespace std;
class complex{
        float real;
        float imag;
        public:         complex(float,float);
                void display();
                friend complex sum(complex&,complex&);
};
complex::complex(float i = 0,float j = 0){
        real = i;
        imag = j;
}
void complex::display(){
        cout<<"Z = "<<real;
        cout<<((imag>0)?" + ":"")<<imag<<"i \n";
}
complex sum(complex &a, complex& b){
        complex c(a.real+b.real, a.imag + b.imag);
        return c;
}

int main(){
        complex a(10,2), b(25, 7);
        complex c = sum(a,b);
        c.display();
        return 0;

}
```

Output:

```
C:\Users\Vincent\Code\c-cpp\SE\Labs\OOPS\Assignments\a2>.\p2a
Z = 35 + 9i
```