

```

1  //Sources:main.cpp
2  #include <iostream>
3  #include "complex.h"
4
5  /* run this program using the console pauser or add your own getch, system("pause") or
   input loop */
6
7  int main(int argc, char** argv)
8  {
9      complex complex1;
10     complex complex2(-2.0,1.6);
11     complex1.PrintComplex();
12     complex2.PrintComplex();
13     complex1.setComplex(2.0,-1.8);
14     complex1.PrintComplex();
15     complex2.PrintComplex();
16     complex complex3;
17     complex3.setComplex(6.6,8.8);
18     float real=complex3.getReal();
19     float imag=complex3.getImag();
20     float abs=complex3.abs();
21
22     std::cout<<"The complex is ("<<real<<") + ("<<imag<<") i"<<std::endl;
23     std::cout<<"The complex 's real is "<<real<<" ,its imag is "<<imag<<std::endl;
24     std::cout<<"The complex 's abs is "<<abs<<std::endl;
25
26     complex complex4(-9.9,8.8);
27     complex complex5(8.8,-9.9);
28     complex complex6;
29     complex6.setComplex(-9.9,8.8);
30
31     std::cout<<std::boolalpha <<" "<<(complex3==complex4)<<" "<<(complex4==complex4)<<"
"<<(complex4==complex5)<<" "<<(complex4==complex6)<<" "<<std::endl;
32
33     complex complex7=complex4+complex5;
34     complex7.PrintComplex();
35     complex complex8=complex4-complex5;
36     complex8.PrintComplex();
37     complex complex9=complex4*complex5;
38     complex9.PrintComplex();
39     complex complex10=complex4/complex5;
40     complex10.PrintComplex();
41
42     system("pause");
43     return 0;
44 }
45

```