

main.cpp

Run

Output

Clear

```

143 int main()
144 {
145
146     Complex mainInstance1;
147     Complex mainInstance2;
148
149     mainInstance1.setReal(10);
150     mainInstance1.setImage(10);
151
152     mainInstance2.setReal(5);
153     mainInstance2.setImage(3);
154
155
156     cout<<"_____PLUS OPERATOR + _____"<<endl;
157     Complex Result1;
158     Result1=mainInstance1+mainInstance2;
159     Result1.print();
160     cout<<"_____MINUS OPERATOR - _____"<<endl;
161     Complex Result2;
162     Result2=mainInstance1-mainInstance2;
163     Result2.print();

```

```

/cmp/67ZCBnwbbi.o
_____PLUS OPERATOR + _____
the complex number is = 15 + 13j
_____MINUS OPERATOR - _____
the complex number is = 5 + 7j
_____PLUS OPERATOR +num_____
the complex number is = 15 + 10j
_____MINUS OPERATOR -num_____
the complex number is = 5 + 10j
_____PLUS OPERATOR num+_____
the complex number is = 15 + 10j
_____MINUS OPERATOR num-_____
the complex number is = 5 + 10j
_____EQUALITY OPERATOR == _____
0
_____PLUS EQUAL OPERATOR += _____
the complex number is = 15 + 13j
_____POSTFIX OPERATOR c++ _____
the complex number is = 10 + 10j
_____PREFIX OPERATOR ++c _____
the complex number is = 12 + 10j

```

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```

164     cout<<"_____PLUS OPERATOR +num _____"<<endl;
165     Complex Result3;
166     Result3=mainInstance1+5;
167     Result3.print();
168     cout<<"_____MINUS OPERATOR -num _____"<<endl;
169     Complex Result4;
170     Result4=mainInstance1-5;
171     Result4.print();
172     cout<<"_____PLUS OPERATOR num+ _____"<<endl;
173     Complex Result5;
174     Result5=5+mainInstance1;
175     Result5.print();
176     cout<<"_____MINUS OPERATOR num- _____"<<endl;
177     Complex Result6;
178     Result6=5-mainInstance1;
179     Result6.print();
180     cout<<"_____EQUALITY OPERATOR == _____"<<endl;
181     mainInstance2==mainInstance1;
182     cout<<"_____PLUS EQUAL OPERATOR += _____"<<endl;
183     mainInstance2 += mainInstance1;
184     mainInstance2.print();

```

```

_____MINUS OPERATOR - _____
the complex number is = 5 + 7j
_____PLUS OPERATOR +num_____
the complex number is = 15 + 10j
_____MINUS OPERATOR -num_____
the complex number is = 5 + 10j
_____PLUS OPERATOR num+_____
the complex number is = 15 + 10j
_____MINUS OPERATOR num-_____
the complex number is = 5 + 10j
_____EQUALITY OPERATOR == _____
0
_____PLUS EQUAL OPERATOR += _____
the complex number is = 15 + 13j
_____POSTFIX OPERATOR c++ _____
the complex number is = 10 + 10j
_____PREFIX OPERATOR ++c _____
the complex number is = 12 + 10j
_____CASTING OPERATOR (float)_____
12

```

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```

181     mainInstance2==mainInstance1;
182     cout<<"_____PLUS EQUAL OPERATOR += _____"<<endl;
183     mainInstance2 += mainInstance1;
184     mainInstance2.print();
185     cout<<"_____POSTFIX OPERATOR c++ _____"<<endl;
186     mainInstance2 =mainInstance1++;
187     mainInstance2.print();
188     cout<<"_____PREFIX OPERATOR ++c _____"<<endl;
189     mainInstance2 =++mainInstance1;
190     mainInstance2.print();
191     cout<<"_____CASTING OPERATOR (float) _____"<<endl;
192     cout<<(float) mainInstance1<<endl;
193
194     return 0;
195 }
196
197 /*
198 c3 = c1 + c2;
199 c3 = c1 - c2;
200 c3 = c1 + 5;
201 c3 = c1 - 5;

```

```

_____MINUS OPERATOR - _____
the complex number is = 5 + 7j
_____PLUS OPERATOR +num_____
the complex number is = 15 + 10j
_____MINUS OPERATOR -num_____
the complex number is = 5 + 10j
_____PLUS OPERATOR num+_____
the complex number is = 15 + 10j
_____MINUS OPERATOR num-_____
the complex number is = 5 + 10j
_____EQUALITY OPERATOR == _____
0
_____PLUS EQUAL OPERATOR += _____
the complex number is = 15 + 13j
_____POSTFIX OPERATOR c++ _____
the complex number is = 10 + 10j
_____PREFIX OPERATOR ++c _____
the complex number is = 12 + 10j
_____CASTING OPERATOR (float)_____
12

```