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C++, Tema 7

# Clasa Pereche – Complex

#include<iostream>

using namespace std;

class Pereche

{

protected:

int a, b;

public:

pereche(int x, int y) :a(x), b(y) {}

int& parte\_reala()

{

return a;

}

int& parte\_imaginara()

{

return b;

}

};

class Complex :Pereche

{

string s;

public:

complex(const char\* p = { new char{'\0'} }, int x = 0, int y = 1) :Pereche(x, y),s(p)

{

}

friend ostream& operator<<(ostream& x, Complex z)

{

x << "Nr. complex " << z.s << " este: (" << z.a << ',' << z.b << ")\n";

return x;

}

void operator=(Pereche& r)

{

a = r.parte\_reala();

b = r.parte\_imaginara();

}

Complex operator+(Complex z)

{

Complex r;

r.a = this->a + z.a;

r.b = this->b + z.b;

r.s = s + '+' + z.s;

return r;

}

};

int main()

{

Complex z1("z1", 3, 4);

Complex z2("z2");

Pereche t(5, -9);

z2 = t;

cout <<z1<< z2;

Complex s;

s = z1 + z2;

cout << s;

system("pause");

return (0);

}