Задача №14

#include <sstream>

#include <iostream>

using namespace std;

double swap(int a, double b);

char swap(char \*c);

class MyClass {

int a;

double b;

char\* c;

int buf;

public:

void swap(int a, double b) {

double c1;

c1 = b;

this->b = (double)a;

this->buf = a;

this->a = (int)c1;

}

void swap(char \*c) {

double temp = strtod(c, NULL);

this->b = temp;

stringstream s;

double aDoubleValue = this->buf;

s << aDoubleValue;

string output = s.str();

this->c = \_strdup(output.c\_str());

}

void Show() {

cout << "a = " << this->a << endl;

cout << "b = " << this->b << endl;

cout << "c = " << this->c << endl;

}

};

int main() {

setlocale(LC\_ALL, "rus");

int a;

double b;

char \*c = "3";

MyClass obj;

cout << "Задание А:" << endl;

cout << "с помощью перегруженных функций" << endl;

cout << "a = ";

cin >> a;

cout << "b = ";

cin >> b;

c = "3";

cout << "c = " << c << endl;

double y = swap(a, b);

char z = swap(c);

cout << "c = " << z << endl;

cout << "Задание Б:" << endl;

cout << "с помощью перегруженных методов класса" << endl;

cout << "a = ";

cin >> a;

cout << "b = ";

cin >> b;

cout << "c = " << c << endl;

obj.swap(a, b);

obj.swap(c);

obj.Show();

cout << "\n";

system("pause");

}

double swap(int a, double b){

int buf;

double c1;

c1 = b;

b = (double)a;

buf = a;

a = (int)c1;

cout << "a = " << a << endl;

return b;

}

char swap(char \* c)

{

double b,temp = strtod(c, NULL);

int buf=1;

b = temp;

stringstream s;

double aDoubleValue = buf;

s << aDoubleValue;

string output = s.str();

c = \_strdup(output.c\_str());

cout << "b = " << b << endl;

return \*c;

}

