# ДОДАТОК Д

(Вихідний код ModulesBaramba)

**… / ModulesBaramba / main.cpp**

#include "ModulesBaramba.h"

using namespace std;

void writeToRegistData(fstream &file, regEnrollment \*regEn)

{

if (regEn == nullptr) { cout << "Error: can't write an empty information" << endl; return; }

file.close();

file.open("RegisterDataBase.dat", ios::binary | ios::out | ofstream::trunc);

file.seekg(0);

regEnrollment \*buffer = regEn;

while (buffer != nullptr) {

file.write((char\*)&\*buffer, sizeof(regEnrollment));

buffer = buffer->ptr;

}

file.close();

}

void dataOutput(fstream &file, regEnrollment \*regEn, int action) {

if (regEn == nullptr) { cout << "Error: can't show an empty information" << endl; return; }

#define OUTPUT(stream) ((stream) == 1 ? cout : file)

regEnrollment \*buffer = regEn;

bool isFirstElem = true;

file.seekg(0);

do {

if (isFirstElem == false) { buffer = buffer->ptr; }

OUTPUT(action) << " ----------------------------------------------------------------------------------" << endl << left;

OUTPUT(action) << "|" << setw(17) << "First name" << "|" << setw(64) << buffer->firstName << "|" << endl

<< "|" << setw(17) << "Last name" << "|" << setw(64) << buffer->lastName << "|" << endl

<< "|" << setw(17) << "Patronymic" << "|" << setw(64) << buffer->patronymic << "|" << endl

<< "|" << setw(17) << "Car brand" << "|" << setw(64) << buffer->carBrand << "|" << endl

<< "|" << setw(17) << "Graduation year" << "|" << setw(64) << buffer->gradYear << "|" << endl

<< "|" << setw(17) << "Registration day" << "|" << buffer->dateDay << "."

<< buffer->dateMonth << "."

<< buffer->dateYear << setw(54) << "" << "|" << endl

<< "|" << setw(17) << "Registration code" << "|" << setw(64) << buffer->govNumber << "|" << endl;

OUTPUT(action) << "|" << setw(17) << "Additions" << "|";

for(int i = 0, line = 0; line < 4; i++) {

if(buffer->additions[line \* 64 + i] == 0) {

OUTPUT(action) << setw(64 - i) << "" << "|" << endl;

break;

}

if((i+1) % 64 != 0) {

OUTPUT(action) << buffer->additions[line \* 64 + i];

}

else {

OUTPUT(action) << " |" << endl << "|" << setw(17) << "" << "|";

line++;

i = -1;

}

}

OUTPUT(action) << " ----------------------------------------------------------------------------------" << endl;

if (buffer->ptr != nullptr) {

OUTPUT(action) << "|" << setw(81) << "" << " |" << endl;

}

isFirstElem = false;

} while (buffer->ptr != nullptr);

if (action != 1 && buffer->ptr == nullptr) { cout << "Information writed to TextFile.txt" << endl; }

}

**… / ModulesBaramba / ModulesBaramba.h**

#ifndef MODULESBARAMBA\_H\_INCLUDED

#define MODULESBARAMBA\_H\_INCLUDED

#include <iostream>

#include <fstream>

#include <iomanip>

#include "struct\_type\_project\_1.h"

using namespace std;

void writeToRegistData(fstream &file, regEnrollment \*regEn);

void dataOutput(fstream &file, regEnrollment \*regEn, int action);

#endif // MODULESBARAMBA\_H\_INCLUDED