

Національний університет «Львівська Політехніка»

Кафедра Систем Штучного Інтелекту



Лабораторна робота №8

на тему:

«Блоковий ввід-вивід»

Виконав студент КН-111

Зомчак Богдан Михайлович

Перевірив:

Гасько Р. Т.

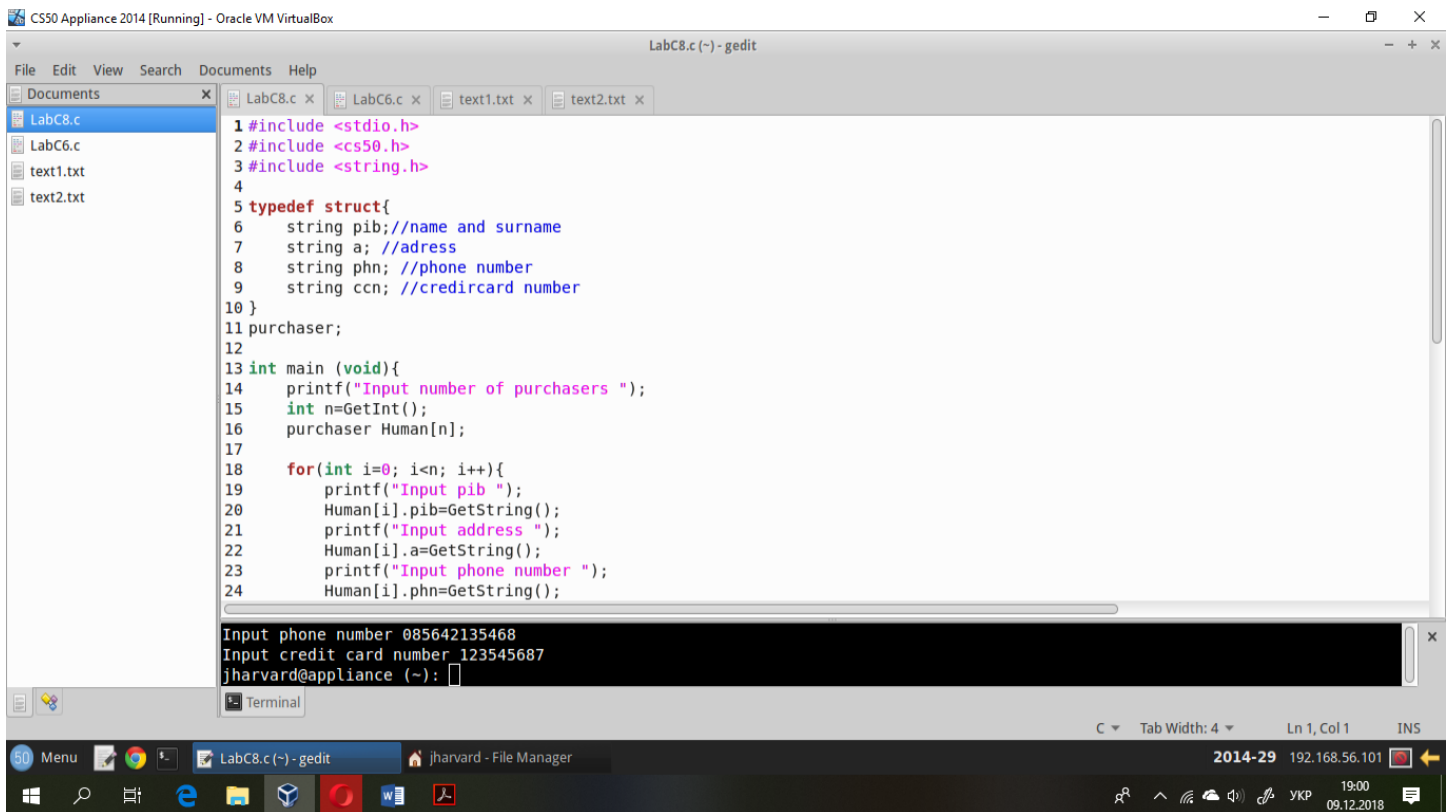
Львів 2018

Мета: Робота із двійковими файлами, організація вводу-виводу структурованої інформації і її зберігання на зовнішніх носіях.

8. Структура "Покупець":

- прізвище, ім'я, по батькові;
- домашня адреса;
- номер телефону;
- номер кредитної картки.

Знищити три елементи з початку файлу.



```
1 #include <stdio.h>
2 #include <cs50.h>
3 #include <string.h>
4
5 typedef struct{
6     string pib; //name and surname
7     string a; //address
8     string phn; //phone number
9     string ccn; //credircard number
10 }
11 purchaser;
12
13 int main (void){
14     printf("Input number of purchasers ");
15     int n=GetInt();
16     purchaser Human[n];
17
18     for(int i=0; i<n; i++){
19         printf("Input pib ");
20         Human[i].pib=GetString();
21         printf("Input address ");
22         Human[i].a=GetString();
23         printf("Input phone number ");
24         Human[i].phn=GetString();
25     }
26 }
```

Input phone number 085642135468
Input credit card number 123545687
jharvard@appliance (~):

CS50 Appliance 2014 [Running] - Oracle VM VirtualBox

LabC8.c (~) - gedit

```
File Edit View Search Documents Help
Documents
LabC8.c
LabC6.c
text1.txt
text2.txt

14 printf("Input number of purchasers ");
15 int n=GetInt();
16 purchaser Human[n];
17
18 for(int i=0; i<n; i++){
19     printf("Input pib ");
20     Human[i].pib=GetString();
21     printf("Input address ");
22     Human[i].a=GetString();
23     printf("Input phone number ");
24     Human[i].phn=GetString();
25     printf("Input credit card number ");
26     Human[i].ccn=GetString();
27 }
28 FILE *fp;
29 fp=fopen("text1.txt","w+");
30 if(fopen("text1.txt","w+")==NULL)
31     printf("Error while opening file... \n");
32 for(int i=0; i<n; i++){
33     fprintf(fp,"Human #%i\n PIB: %s\n address: %s\n phone number: %s\n creditcard number: %s\n\n", i+1, Human[i].pib, Human[i].a, Human[i].phn, Human[i].ccn);
34 }
35 fclose(fp);
36
37 FILE *fp1;
```

Input phone number 085642135468
Input credit card number 123545687
jharvard@appliance (~):

Menu | LabC8.c (~) - gedit | jharvard - File Manager | 2014-29 192.168.56.101 | 19:00 09.12.2018

CS50 Appliance 2014 [Running] - Oracle VM VirtualBox

LabC8.c (~) - gedit

```
File Edit View Search Documents Help
Documents
LabC8.c
LabC6.c
text1.txt
text2.txt

28 FILE *fp;
29 fp=fopen("text1.txt","w+");
30 if(fopen("text1.txt","w+")==NULL)
31     printf("Error while opening file... \n");
32 for(int i=0; i<n; i++){
33     fprintf(fp,"Human #%i\n PIB: %s\n address: %s\n phone number: %s\n creditcard number: %s\n\n", i+1, Human[i].pib, Human[i].a, Human[i].phn, Human[i].ccn);
34 }
35 fclose(fp);
36 FILE *fp1;
37 fp1=fopen("text2.txt","w+");
38 if (n>3){
39     for (int i=0; i<n-3; i++){
40         Human[i].pib=Human[i+3].pib;
41         Human[i].a=Human[i+3].a;
42         Human[i].phn=Human[i+3].phn;
43         Human[i].ccn=Human[i+3].ccn;
44         fprintf(fp1, "Human #%i\n PIB: %s\n address: %s\n phone number: %s\n creditcard number: %s\n\n", i+1, Human[i].pib, Human[i].a, Human[i].phn, Human[i].ccn);
45     }
46     fclose(fp1);
47 }
48 else
49     printf("File is empty ");
50
51 }
```

Input phone number 085642135468
Input credit card number 123545687
jharvard@appliance (~):

Menu | LabC8.c (~) - gedit | jharvard - File Manager | 2014-29 192.168.56.101 | 19:00 09.12.2018

CS50 Appliance 2014 [Running] - Oracle VM VirtualBox

LabC8.c (~) - gedit

```
File Edit View Search Documents Help
Documents
LabC8.c
LabC6.c
text1.txt
text2.txt

28 FILE *fp;
29 fp=fopen("text1.txt","w+");
30 if(fopen("text1.txt","w+")==NULL)
31 printf("Error while opening file... \n");
32 for(int i=0; i<n; i++){
33     fprintf(fp,"Human #%i\n PIB: %s\n address: %s\n phone number: %s\n creditcard number: %s\n\n", i+1, Human[i].pib, Human[i].address, Human[i].phone, Human[i].creditcard);
34 }
35 }
```

jharvard@appliance (~): ./LabC8
Input number of purchasers 4
Input pib Pepe
Input address Baker Street 228B
Input phone number 0955367895
Input credit card number 12245689
Input pib Shrek
Input address Swamp street
Input phone number 0955367855
Input credit card number 35548697
Input pib Sponge Bob
Input address Pineapple
Input phone number 0324589645
Input credit card number 1235468
Input pib Stan Lee
Input address Heaven
Input phone number 085642135468
Input credit card number 123545687
jharvard@appliance (~):

Menu | LabC8.c (~) - gedit | jharvard - File Manager | 2014-29 192.168.56.101 | 19:01 09.12.2018

CS50 Appliance 2014 [Running] - Oracle VM VirtualBox

text1.txt (~) - gedit

```
File Edit View Search Documents Help
Documents
LabC8.c
LabC6.c
text1.txt
text2.txt

1 Human #1
2 PIB: Pepe
3 address: Baker Street 228B
4 phone number: 0955367895
5 creditcard number: 12245689
6
7 Human #2
8 PIB: Shrek
9 address: Swamp street
10 phone number: 0955367855
11 creditcard number: 35548697
12
13 Human #3
14 PIB: Sponge Bob
15 address: Pineapple
16 phone number: 0324589645
17 creditcard number: 1235468
18
19 Human #4
20 PIB: Stan Lee
21 address: Heaven
22 phone number: 085642135468
23 creditcard number: 123545687
24
```

Input phone number 085642135468
Input credit card number 123545687
jharvard@appliance (~):

Menu | text1.txt (~) - gedit | jharvard - File Manager | Plain Text | Tab Width: 4 | Ln 1, Col 1 | 2014-29 192.168.56.101 | 19:01 09.12.2018

