Main

#include<stdio.h>

#include<string.h>

#include<ctype.h>

#include<stdbool.h>

#include "affairs.h"

// 23 course ...

struct person P[1000];

//int indexPro=0;

/\*

void StudentControll();

float countGpa();

\*/

int main()

{

LoadSystemData();

int ch=1;

printf("\n\n\n\n\n\n\t\t\t\t\t Affairs's Students :)\n");

printf("\n\t\t\t\t Faculty Of Computers & Information\n\t\t\t\t\t Helwan University \n\t\t\t\t\t Department\n\t\t\t\t\t ( SWE ) \n");

printf("\n Project By : youssef farag Rashad\n\n\n\n\n");

system("pause");

system("cls");

while(ch!=3){

printf("\n\n\n\n\t\t\t\t\tWelcome To Affairs's Student ...\n");

printf("\n\n\tPress \n\t\t1- Admin\n\t\t2- Student\n\t\t3- Exit\n\n\t\t Ch: ");

scanf("%d",&ch);

if(ch==1)

if(CheckEnter()){

system("cls");

MainMenu();

}

else{

printf("\n\n\t\t\t\tInvalid authentication ...\n\n");

}

if(ch==2)

// StudentControll();

if(ch == 3){

printf( "\n\n\n\n\n\t\t\t\tThanks YOU ...\n\n\n\n");

}

else

printf( "\n\n\n\t\tInvalid Choice\n\n");

}

SaveSystemData();

system("pause");

return 0;

}

void MainMenu()

{

int ch,m;

printf( "\n\n\n\t$ \t Admin Menu $\n\t\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\n");

printf("\t |\t |\n\t |\t1: List all Students. |\n\t |\t2: Add new Student. |\n\t |\t3: Delete Info. OF Student. |\n\t |\t4: Search by ID. |\n\t |\t5: Search by Name. |\n\t |\t6: Update Student info. |\n\t |\t7: Update Part OF info To Student. |\n\t |\t8: Check Lower Case & Convert To Upper. |\n\t |\t9: Check Upper Case & Convert To Lower. |\n\t |\t10: Sort File. |\n\t |\t11: Clear All Data in file. |\n\t |\t0: to Exit |\n" );

printf( "\t\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\n\t$|\t |$\n");

printf( "\t");

printf("\n\n\t\t \*your Choice: ");

scanf("%d",&ch);

switch(ch)

{

case 1:

listAllStudent();

break;

case 2:

AddData();

break;

case 3:

DeleteInfo();

break;

case 4:

m=LocationByID();

if(m!=-1){

Display(P[m]);

}

else{

printf("This ID is not find :) \n ");

}

MainMenu();

break;

case 5:

m=LocationByName();

if(m!=-1){

Display(P[m]);

}

else{

printf("This Name is not find :) \n ");

}

MainMenu();

break;

case 6:

UpdateRow();

break;

case 7:

UpdateElement();

break;

case 8:

CheckSmall();

break;

case 9:

CheckCapital();

break;

case 10:

SortFinalExamData();

break;

case 11:

clearFile();

break;

default:

system("cls");

break;

}

SaveSystemData();

}

header

#ifndef affairs

enum CourseName{CS=1, IS , E1 , E2 , HR , IT , Math1 , Math2 , Logic , PL1 , DB1 , DS , Mangement , Pl2 , Ethics , SW1 , Stat1 , DC , Negotiation , OR , OS , stat2 , Compiler };

const int SizeOfCourses=3;

struct course

{

enum CourseName cName;

float FinalExam,courseWork,practicalExam;

float total;

};

struct person

{

int id;

char name[50];

char gender;

struct course Cdeg[7];

};

struct person P[1000];

int indexPro=0;

int CheckEnter()

{

char user[20],pass[20];

printf("\n\n\n\t\tPlease, press UserName & Password :) ");

printf("\n\n\tUser Name: ");

scanf("%s",user);

printf("\n\tPassword: ");

scanf("%s",pass);

if((strcmp(user,"admin")==0)&&(strcmp(pass,"0000")==0))

return 1;

else

return 0;

}

int DisplayCourses(struct person x)

{

int arr[SizeOfCourses],j,c=0;

for(j=0;(j<SizeOfCourses)&&(c<SizeOfCourses);j++){

switch(x.Cdeg[j].cName)

{

case 1:

arr[c]=1;

break;

case 2:

arr[c]=2;

break;

case 3:

arr[c]=3;

break;

case 4:

arr[c]=4;

break;

case 5:

arr[c]=5;

break;

case 6:

arr[c]=6;

break;

case 7:

arr[c]=7;

break;

case 8:

arr[c]=8;

break;

case 9:

arr[c]=9;

break;

case 10:

arr[c]=10;

break;

case 11:

arr[c]=11;

break;

case 12:

arr[c]=12;

break;

case 13:

arr[c]=13;

break;

case 14:

arr[c]=14;

break;

case 15:

arr[c]=15;

break;

case 16:

arr[c]=16;

break;

case 17:

arr[c]=17;

break;

case 18:

arr[c]=18;

break;

case 19:

arr[c]=19;

break;

case 20:

arr[c]=20;

break;

case 21:

arr[c]=21;

break;

case 22:

arr[c]=22;

break;

case 23:

arr[c]=23;

break;

default:

printf("Fail , course not registered :( \n");

} // End cases

c++;

}// End For

return arr;

}

void Display(struct person x)

{

int i,j;

printf("\n\tID: %d\tName Of Student: %s\t\n",x.id,x.name);

for(j=0;j<SizeOfCourses;j++){

printf("ID OF Course: ( %d )\t",x.Cdeg[j].cName);

printf("Course Work: %0.1f\tPractical Exam: %0.1f\t%0.1f\tTotal: %0.1f\n",x.Cdeg[j].courseWork,x.Cdeg[j].practicalExam,x.Cdeg[j].FinalExam,x.Cdeg[j].total);

}

}

void LoadSystemData()

{

int i,j;

struct person x;

FILE \*fptr;

if((fptr=fopen("SWE1.txt","r"))==NULL)

printf("\n Sorry, File Of students Couldn't be Open :) ");

else{

fscanf(fptr,"%s%d",x.name,&x.id);

for(j=0;j<SizeOfCourses;j++)

fscanf(fptr,"%d%f%f%f%f",&x.Cdeg[j].cName,&x.Cdeg[j].courseWork,&x.Cdeg[j].practicalExam,&x.Cdeg[j].FinalExam,&x.Cdeg[j].total);

while(!feof(fptr)){

P[indexPro++]=x;

fscanf(fptr,"%s%d",x.name,&x.id);

for(j=0;j<SizeOfCourses;j++)

fscanf(fptr,"%d%f%f%f%f",&x.Cdeg[j].cName,&x.Cdeg[j].courseWork,&x.Cdeg[j].practicalExam,&x.Cdeg[j].FinalExam,&x.Cdeg[j].total);

}

}

}

void SaveSystemData()

{

FILE \*fptr=fopen("SWE1.txt","w");

int i,j;

for(i=0;i<indexPro;i++){

fprintf(fptr,"%s\t%d\t",P[i].name,P[i].id);

for(j=0;j<SizeOfCourses;j++){

fprintf(fptr,"%d\t",P[i].Cdeg[j].cName);

fprintf(fptr,"%0.1f\t%0.1f\t%0.1f\t%0.1f\t",P[i].Cdeg[j].courseWork,P[i].Cdeg[j].practicalExam,P[i].Cdeg[j].FinalExam,P[i].Cdeg[j].total,P[i].gender);

}

}

}

void SortFinalExamData()

{

int i,j;

struct person temp;

for(i=0;i<indexPro;i++){

for(j=0;j<indexPro-1-i;j++){

if(P[j].id>P[j+1].id){

temp=P[j];

P[j]=P[j+1];

P[j+1]=temp;

}

}

}

SaveSystemData();

MainMenu();

}

void listAllStudent()

{

struct person x;

int i,j;

for(i=0;i<indexPro;i++){

printf("ID: %d\tName: %s\t\n",P[i].id,P[i].name);

for(j=0;j<SizeOfCourses;j++){

printf("%d\t",P[i].Cdeg[j].cName);

printf("(%0.1f\t%0.1f\t%0.1f) \t Total OF Degree :%0.1f\n",P[i].Cdeg[j].courseWork,P[i].Cdeg[j].practicalExam,P[i].Cdeg[j].FinalExam,P[i].Cdeg[j].total);

}

}

printf("\n\n\tPress Enter To return to Main Menu :) \n");

getchar();

getchar();

MainMenu();

}

void AddData()

{

int ch;

char c;

printf("Are you wanna add New Student ? (y/n)\nCh: ");

getchar();

scanf("%c",&c);

if(c=='y'){

//printf(" ID , Name OF Student , courseWork , practicalExam , FinalExam \n");

//scanf("%d%s%f%f%f",&P[indexPro].id,P[indexPro].name,&P[indexPro].Cdeg.courseWork,&P[indexPro].Cdeg.practicalExam,&P[indexPro].Cdeg.FinalExam);

printf("Enter This Data ... \n\n");

printf("ID: ");

scanf("%d",&P[indexPro].id);

printf("Enter Name: ");

scanf("%s",P[indexPro].name);

int j;

printf("\nPlease choose course ...\n\n 1: CS\n 2: IS \n 3: English 1 \n 4: English 2 \n 5: HR ");

printf("\n 6: IT\n 7: Math 1\n 8: Math 2 \n 9: Logic\n 10: PL1\n 11: DB 1\n 12: DS\n 13: Management\n 14: Pl2\n 15: Ethics");

printf("\n 16: SW1\n 17: Stat1\n 18: DC\n 19: Negotiation\n 20: OR\n 21: OS\n 22: stat2\n 23: Compiler\n\n");

for(j=0;j<SizeOfCourses;j++){

printf("your Choice: ");

scanf("%d",&P[indexPro].Cdeg[j].cName);

printf("Enter courseWork, practicalExam, finalExam\n\t");

scanf("%f%f%f",&P[indexPro].Cdeg[j].courseWork,&P[indexPro].Cdeg[j].practicalExam,&P[indexPro].Cdeg[j].FinalExam);

P[indexPro].Cdeg[j].total=P[indexPro].Cdeg[j].courseWork + P[indexPro].Cdeg[j].practicalExam + P[indexPro].Cdeg[j].FinalExam ;

} // End For

indexPro++;

SaveSystemData();

}

printf("press 1 To Add Info. Again OR 0 To exit & return to Main Menu \n Ch: ");

scanf("%d",&ch);

if(ch==1)

AddData();

else if(ch==0)

MainMenu();

else

printf("\n\n\n\tInvalid Choice ...\n");

}

void CheckSmall()

{

int i;

for(i=0;i<indexPro;i++)

if(islower(P[i].name[0]))

P[i].name[0]=toupper(P[i].name[0]);

SaveSystemData();

MainMenu();

}

void CheckCapital()

{

int i;

for(i=0;i<indexPro;i++)

if(isupper(P[i].name[0]))

P[i].name[0]=tolower(P[i].name[0]);

SaveSystemData();

MainMenu();

}

void UpdateRow()

{

int ch;

char c;

int m=LocationByID();

if(m!=-1){

Display(P[m]);

printf("Are you wanna Update Student ? (y/n)\nCh: ");

getchar();

scanf("%c",&c);

if(c=='y'||c=='Y'){

printf("Enter New Data ... \n\n");

printf("ID: ");

scanf("%d",&P[m].id);

printf("Enter Name: ");

scanf("%s",P[m].name);

printf("Enter Gender (M/F) : ");

scanf("%c",&P[m].gender);

int j;

printf("\nPlease choose course ...\n\n 1: CS\n 2: IS \n 3: English 1 \n 4: English 2 \n 5: HR \n");

printf("\n 6: IT\n 7: Math 1\n 8: Math 2 \n 9: Logic\n 10: PL1\n 11: DB 1\n 12: DS\n 5: Management\n 13: Pl2\n 14: Ethics");

printf("\n 15: SW1\n 16: Stat1\n 17: DC\n 18: Negotiation\n 17: OR\n 17: OS\n 17: stat2\n 17: Compiler\n\n");

for(j=0;j<SizeOfCourses;j++){

printf("your Choice: ");

scanf("%d",&P[m].Cdeg[j].cName);

printf("Enter courseWork, practicalExam, finalExam\n\t");

scanf("%f%f%f",&P[m].Cdeg[j].courseWork,&P[m].Cdeg[j].practicalExam,&P[m].Cdeg[j].FinalExam);

P[m].Cdeg[j].total=P[m].Cdeg[j].courseWork + P[m].Cdeg[j].practicalExam + P[m].Cdeg[j].FinalExam ;

} // End For

/\*printf(" ID , Name OF Student , courseWork , practicalExam , FinalExam \n");

scanf("%d%s%f%f%f",&P[m].id,P[m].name,&P[m].Cdeg.courseWork,&P[m].Cdeg.practicalExam,&P[m].Cdeg.FinalExam);

\*/

SaveSystemData();

}

}

else{

printf("Invalid ID ...\n");

}

printf("press 1 To Search again & Update OR 0 To Return to Main Menu \nCh: ");

scanf("%d",&ch);

if(ch==1)

UpdateRow();

else

MainMenu();

}

int LocationByID()

{

int key,i;

printf("Please , Press ID OF Student: ");

scanf("%d",&key);

for(i=0;i<indexPro;i++){

if(key==P[i].id){

return i;

}

}

return -1;

}

int LocationByName()

{

char key[50];

int i;

printf("Please , Press Name OF Student: ");

scanf("%s",key);

for(i=0;i<indexPro;i++)

if(strcmp(key,P[i].name)==0)

return i;

return -1;

}

void DeleteInfo()

{

int ch;

char c;

int m=LocationByID();

if(m!=-1){

Display(P[m]);

printf("Are you wanna Delete Student ? (y/n)\nCh: ");

getchar();

scanf("%c",&c);

if(c=='y'||c=='Y'){

int i;

for(i=m;i<indexPro;i++){

P[i]=P[i+1];

}

indexPro--;

}

SaveSystemData();

}

else

printf("\n\tInvalid ID ...\n\n");

printf("press 1 To Delete Info. Again OR 0 To exit & return to Main Menu \n Ch: ");

scanf("%d",&ch);

if(ch==1)

DeleteInfo();

else if(ch==0)

MainMenu();

else

printf("\n\n\n\tInvalid Choice ...\n");

}

void clearFile()

{

int ch;

char c;

printf("\n\tAre you Sure To Wanna Clear File ? (y/n) \n Ch: ");

getchar();

scanf("%c",&c);

if((c=='Y')||(c=='y')){

if(CheckEnter()){

indexPro=0 ;

printf("\nPlease Wait .... \nData are formated \n\n");

SaveSystemData();

}

else{

printf("you Can't access To function ... \n\n");

printf("press 1 To Try To Clear File Again OR 0 To exit & return to Main Menu \n Ch: ");

scanf("%d",&ch);

if(ch==1)

clearFile();

else if(ch==0)

MainMenu();

else

printf("\n\n\n\tInvalid Choice ...\n");

}

}

MainMenu();

}

void UpdateElement()

{

bool active = true; // false By Default

char c;

int i,j,select;

int arr[SizeOfCourses];

int m=LocationByID(),ch;

if(m!=-1){

Display(P[m]);

printf("Are you wanna Update Info. From This Student ? (y/n)\nCh: ");

getchar();

scanf("%c",&c);

if(c=='y'||c=='Y'){

printf("\nPress Number to Edit\n1: ID \n2: Name\n3: Register in Course \n");

printf("4: degree in Semi-FinalExam\n5: degree in practicalExam\n6: degree in FinalExam .\n\tCh: ");

scanf("%d",&ch);

switch(ch)

{

case 1:

printf("\nEnter New ID: ");

scanf("%d",&P[m].id);

break;

case 2:

printf("Enter New Name: ");

scanf("%s",P[m].name);

break;

case 3:

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

printf("please Choice your Course To Edit To Another Course ... \n\n");

//int \*ptr=DisplayCourses(P[m]);

for(i=0;i<SizeOfCourses;i++)

arr[i]=P[m].Cdeg[i].cName;

for(i=0;i<SizeOfCourses;i++){

switch(arr[i])

{

case 1:

printf("%d: CS\n",i);

break;

case 2:

printf("%d: IS\n",i);

break;

case 3:

printf("%d: English 1\n",i);

break;

case 4:

printf("%d: English 2\n",i);

break;

case 5:

printf("%d: HR\n",i);

break;

case 6:

printf("%d: IT\n",i);

break;

case 7:

printf("%d: Math 1\n",i);

break;

case 8:

printf("%d: Math 2\n",i);

break;

case 9:

printf("%d: Logic\n",i);

break;

case 10:

printf("%d: PL1\n",i);

break;

case 11:

printf("%d: Data Base 1\n",i);

break;

case 12:

printf("%d: DS\n",i);

break;

case 13:

printf("%d: Management\n",i);

break;

case 14:

printf("%d: PL2\n",i);

break;

case 15:

printf("%d: Ethics\n",i);

break;

case 16:

printf("%d: SW1\n",i);

break;

case 17:

printf("%d: Stat1\n",i);

break;

case 18:

printf("%d: DC\n",i);

break;

case 19:

printf("%d: Negotiation\n",i);

break;

case 20:

printf("%d: OR\n",i);

break;

case 21:

printf("%d: OS\n",i);

break;

case 22:

printf("%d: stat2\n",i);

break;

case 23:

printf("%d: Compiler\n",i);

break;

default:

printf("Not Register \n");

} // End cases

}// End For

/\*

l7d hna kdh 3rd el mwad el student msglha

elly hma 7 b array pointed by pointer ptr

\*/

while(active){

printf("your Choice: ");

scanf("%d",&ch);

printf("Enter The ID Of Course (IOC): ");

scanf("%d",&P[m].Cdeg[arr[ch]].cName);

printf( "Enter courseWork, practicalExam, finalExam\n\t" );

scanf( "%f%f%f" , &P[m].Cdeg[arr[ch]].courseWork , &P[m].Cdeg[arr[ch]].practicalExam , &P[m].Cdeg[arr[ch]].FinalExam );

P[m].Cdeg[arr[ch]].total = P[m].Cdeg[arr[ch]].courseWork + P[m].Cdeg[arr[ch]].practicalExam + P[m].Cdeg[arr[ch]].FinalExam ;

SaveSystemData();

active = false ;

printf("Are you wanna edit specific Course ? \n IF you wanna press 1 else press 0\n");

getchar();

scanf("%d",&ch);

if(ch==1)

active = true;

} // End While

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

break; // End Case 3 >>>>>>>>>>>>>>>>

case 4:

for(i=0;i<SizeOfCourses;i++)

arr[i]=P[m].Cdeg[i].cName;

for(i=0;i<SizeOfCourses;i++){

switch(arr[i])

{

case 1:

printf("%d: CS\n",i);

break;

case 2:

printf("%d: IS\n",i);

break;

case 3:

printf("%d: English 1\n",i);

break;

case 4:

printf("%d: English 2\n",i);

break;

case 5:

printf("%d: HR\n",i);

break;

case 6:

printf("%d: IT\n",i);

break;

case 7:

printf("%d: Math 1\n",i);

break;

case 8:

printf("%d: Math 2\n",i);

break;

case 9:

printf("%d: Logic\n",i);

break;

case 10:

printf("%d: PL1\n",i);

break;

case 11:

printf("%d: Data Base 1\n",i);

break;

case 12:

printf("%d: DS\n",i);

break;

case 13:

printf("%d: Management\n",i);

break;

case 14:

printf("%d: PL2\n",i);

break;

case 15:

printf("%d: Ethics\n",i);

break;

case 16:

printf("%d: SW1\n",i);

break;

case 17:

printf("%d: Stat1\n",i);

break;

case 18:

printf("%d: DC\n",i);

break;

case 19:

printf("%d: Negotiation\n",i);

break;

case 20:

printf("%d: OR\n",i);

break;

case 21:

printf("%d: OS\n",i);

break;

case 22:

printf("%d: stat2\n",i);

break;

case 23:

printf("%d: Compiler\n",i);

break;

default:

printf("Not Register \n");

} // End cases

}// End For

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

printf("Choice Course: ");

scanf("%d",&ch);

printf("\n\nEnter New Degree in Semi-FinalExam: ");

scanf("%f",&P[m].Cdeg[arr[ch-1]].courseWork);

break;

case 5:

printf("\n\n Course ... \n");

for(i=0;i<SizeOfCourses;i++)

arr[i]=P[m].Cdeg[i].cName;

for(i=0;i<SizeOfCourses;i++){

switch(arr[i])

{

case 1:

printf("%d: CS\n",i);

break;

case 2:

printf("%d: IS\n",i);

break;

case 3:

printf("%d: English 1\n",i);

break;

case 4:

printf("%d: English 2\n",i);

break;

case 5:

printf("%d: HR\n",i);

break;

case 6:

printf("%d: IT\n",i);

break;

case 7:

printf("%d: Math 1\n",i);

break;

case 8:

printf("%d: Math 2\n",i);

break;

case 9:

printf("%d: Logic\n",i);

break;

case 10:

printf("%d: PL1\n",i);

break;

case 11:

printf("%d: Data Base 1\n",i);

break;

case 12:

printf("%d: DS\n",i);

break;

case 13:

printf("%d: Management\n",i);

break;

case 14:

printf("%d: PL2\n",i);

break;

case 15:

printf("%d: Ethics\n",i);

break;

case 16:

printf("%d: SW1\n",i);

break;

case 17:

printf("%d: Stat1\n",i);

break;

case 18:

printf("%d: DC\n",i);

break;

case 19:

printf("%d: Negotiation\n",i);

break;

case 20:

printf("%d: OR\n",i);

break;

case 21:

printf("%d: OS\n",i);

break;

case 22:

printf("%d: stat2\n",i);

break;

case 23:

printf("%d: Compiler\n",i);

break;

default:

printf("Not Register \n");

} // End cases

}// End For

printf("Choice Course: ");

scanf("%d",&ch);

printf("Enter New Degree in practicalExam: ");

scanf("%f",&P[m].Cdeg[arr[ch-1]].practicalExam);

break;

case 6:

printf("\n\n Course ... \n");

for(i=0;i<SizeOfCourses;i++)

arr[i]=P[m].Cdeg[i].cName;

for(i=0;i<SizeOfCourses;i++){

switch(arr[i])

{

case 1:

printf("%d: CS\n",i);

break;

case 2:

printf("%d: IS\n",i);

break;

case 3:

printf("%d: English 1\n",i);

break;

case 4:

printf("%d: English 2\n",i);

break;

case 5:

printf("%d: HR\n",i);

break;

case 6:

printf("%d: IT\n",i);

break;

case 7:

printf("%d: Math 1\n",i);

break;

case 8:

printf("%d: Math 2\n",i);

break;

case 9:

printf("%d: Logic\n",i);

break;

case 10:

printf("%d: PL1\n",i);

break;

case 11:

printf("%d: Data Base 1\n",i);

break;

case 12:

printf("%d: DS\n",i);

break;

case 13:

printf("%d: Management\n",i);

break;

case 14:

printf("%d: PL2\n",i);

break;

case 15:

printf("%d: Ethics\n",i);

break;

case 16:

printf("%d: SW1\n",i);

break;

case 17:

printf("%d: Stat1\n",i);

break;

case 18:

printf("%d: DC\n",i);

break;

case 19:

printf("%d: Negotiation\n",i);

break;

case 20:

printf("%d: OR\n",i);

break;

case 21:

printf("%d: OS\n",i);

break;

case 22:

printf("%d: stat2\n",i);

break;

case 23:

printf("%d: Compiler\n",i);

break;

default:

printf("Not Register \n");

} // End cases

}// End For

printf("Choice Course: ");

scanf("%d",&ch);

printf("Enter New Degree in FinalExam: ");

scanf("%f",&P[m].Cdeg[arr[ch-1]].FinalExam);

break;

default:

printf("Incorrect ");

} // End Main Switch

SaveSystemData();

} // End If yes OR No

} // End if m!=-1

else{

printf("Invalid ID ...\n ");

}

printf("press 1 To Search again & Update OR 0 To Return to Main Menu \nCh: ");

scanf("%d",&ch);

if(ch==1)

UpdateElement();

else

MainMenu();

}

#define affairs

#endif // affairs