computer science project

Prepared by: Prince Kumar Class: XII A Roll no.:

Topic: Voting machine program

s

CERTIFICATE

This is to certify that Prince Kumar of class XII ‘A’ has successfully created his science project on ‘Voting machine program’ under the able guidance of

Mrs. Anju Singh

Senior Teacher(Computer Science)

Teacher’s Signature: ……………….

Examiner’s Signature: ……………….

Date: ……..…………

Principal’s Signature: ………………..

Acknowledgement

I would like to thank Mrs. **Anju Singh** , Senior teacher (Computer Science) , for her able guidance and the support exhibited by her in the completion of the project.

It gives me great pleasure in presenting this project. I extend my gratitude to my worthy classmates for conveying their valuable suggestions to improve the quality of this Project and its value. This project has contributed invariably in improving and increasing my knowledge about this language which will hopefully prove to be profitable for me in future.

Thanking you

Prince Kumar

index

|  |  |  |
| --- | --- | --- |
| S.No. | CONTENTS | PAGE No. |
| 1. | INTRODUCTION | 4 |
| 2. | OBJECTVE | 5 |
| 3. | HEADER FILES USED | 6 |
| 4. | DATA FLOW DIAGRAM | 7 |
| 5. | FUTURE SCOPE OF THE PROJECT | 8 |
| 6. | PROGRAM SOURCE CODE | 9 |
| 7. | OUTPUT | 100 |
| 8. | REQUIREMENTS | 106 |
| 9. | BIBLIOGRAHY | 107 |

INTRODUCTON

The title of the project is “Voting machine program”. This project will handle the whole activities of the elections. Voting machine has most of the facilities that election commission requires. It provides facilities to keep the record of voters, candidates and parties with all the required details along with results. It has facilities to allow voters to vote, candidates to add their names in the candidate list with their parties and symbols so that elections are held properly.

OBJECTIVES

**The main objective of this C++ Project is to manage the details of Elections, Election Commision Rules, Votes, Candidates. It manages all the information about Election Dates, Registration, Candidates. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Elections, Registration, Election Commision Rules. It tracks all the details about the Election**

**Commision Rules, Votes, Candidates.**

**HEADER FILES USED**

#<iostream.h>

#<fstream.h>

#<process.h>

#<string.h>

#<stdlib.h>

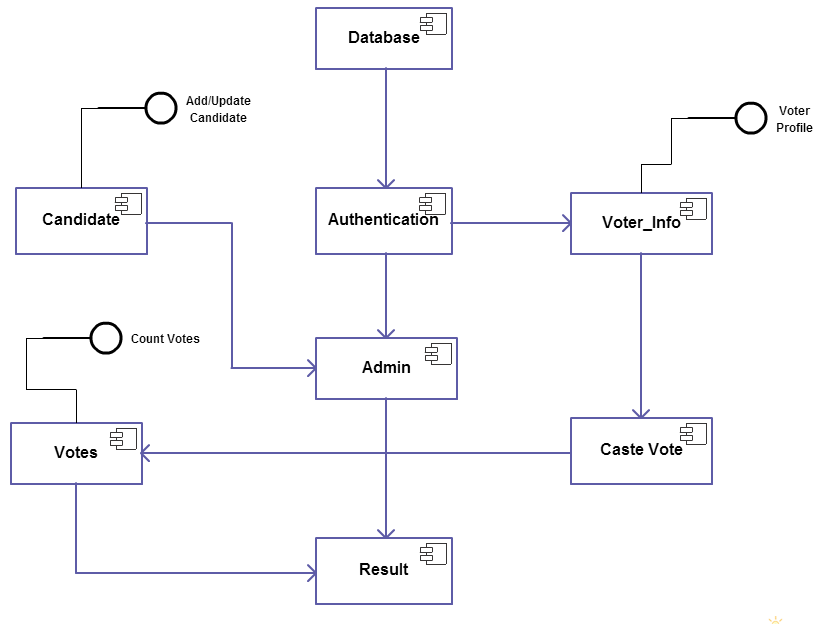
#<stdio.h>

#<ctype.h>

#<conio.h>

#<dos.h>

DATA FLOW DIAGRAM



**Future scope of the project**

Nothing is perfect in this world. So, we are also no exception. Althogh, we have tried our best to present the information effectively, yet, there can be further enhancement in the application.

We have taken care of all the critical aspects, which we need to take care of during the development if the project.

Like all the things this project also has some limitations and can further be enhanced, because there are certain drawbacks that do not permit the system to be 100% accurate.Program source code

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

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Voting Machine Program \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* by Prince Kumar \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

//Email ID: kumar2prince1@gmail.com --> Prince

//Password="edit\_it"

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

// Headerfiles used in program

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

#include<iostream.h>

#include<fstream.h>

#include<process.h>

#include<string.h>

#include<stdlib.h>

#include<stdio.h>

#include<ctype.h>

#include<conio.h>

#include<dos.h>

char description()

{ char desc[620];

strcpy(desc,"\t\t\t ELECTION VOTING SOFTWARE \n\n\t DESCRIPTION : IN THIS PROJECT , A PREDETERMINED SET OF \n\n\n\t VOTERS WILL BE ABLE TO CAST THE VOTE .VOTERS WILL HAVE \n\n\n\t TO PROVE THEIR IDENTITY BY GIVING THEIR IDENTIFICATION \n\n\n\t NO. A AUTHENTICATED USER WILL BE ABLE TO CAST THE VOTE.\n\n\n\t A USER WHO HAS CASTED THE VOTE CANNOT CAST AGAIN.AFTER \n\n\n\t VOTING HAS FINISHED RESUTS WILL BE DECLAIR. A SETUP \n\n\n\t OPTION BEFORE ELECTION STARTS , WILL ALLOW VOTER TO BE \n\n\n\t CREATED AND CANDIDATE CHOOSEN. \n\n\n\n\n\n\t\t\t PLEASE PRESS ENTER TO CONTINUE & Esc. TO EXIT\t");

for(int i=0;i<541;i++)

{

cout<<desc[i];

delay(10);

}

char ch;

for(;;)

{

ch=getch();

if(ch==13)

break;

else

if(ch==27)

exit(-1);

else

cout<<"\n\n\t\t\t\a ! WRONG KEY ENTERED !";

delay(300);

cout<<"\n\n\n\n\t\t\t PRESS ENTER ";

}

return 0;

}

int pass()

{

char ch;

int r=0;

char pass[20];

for(;;)

{

clrscr();

gotoxy(16,20);

cout<<"Enter the password to initialise the setup :";

r=0;

for(int i=0;;i++)

{

ch=getch();

if(ch==13)

{ pass[r]='\0';

break;

}

if(ch==8)

{

if(i>0)

{ cout<<ch<<" "<<ch;

i-=2;r--;

}

else

i--;

}

else

{ cout<<"\*";

pass[r]=ch;

r++;

}

}

if(strcmp("edit\_it",pass)==0)

return 0;

else

{

cout<<"\n\n\t\t\a!! INVALID PASSWORD !!";

delay(300);

cout<<"\n\n\t\t--> TRY AGAIN";

getch();

}

}

}

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

// THIS FUNCTION TRUE WHEN THE STRING PASSED AS ARGUMENT IS

// IS NUMBER

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

int string\_is\_number(char\* s)

{

int size = strlen(s);

for(int i = 0; i < size; i++)

if (!(s[i] >= '0' && s[i] <= '9'))

return 0;

return 1;

}

class candidate\_record

{

public:

int candidate\_namecode ;

char candidate\_name[50] ;

char partyname[50], partysign[50] ;

char summary[1];

char revenue[100];

char age[100];

char area[50];

};

class voter\_record

{

public:

int voter\_namecode ;

char voter\_name[50] ;

char age[10], gender[10] ;

};

class voter\_status

{

public:

int voter\_namecode;

int voting\_status;

};

class candidate\_status

{

public:

int candidate\_namecode;

int numVotes;

};

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

// CLASS NAME : vote

// DETAILS : IT CONTROLLS OVER ALL THE FUNCTIONS

// RELATED TO VOTING ITEMS

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

class vote

{

public :

void add\_candidate\_name(void) ;

void delete\_candidate\_name(void) ;

void modify\_candidate\_name(void) ;

void list\_of\_candidate\_names(void) ;

void voting(void) ;

void add\_voter\_name(void) ;

void delete\_voter\_name(void) ;

void modify\_voter\_name(void) ;

void list\_of\_voters\_names(void) ;

private :

int last\_candidate\_code(int &num\_candidates) ;

void delete\_candidate\_record(int) ;

void modify\_candidate\_record(int) ;

void display\_candidate\_record(int) ;

int name\_candidate\_found(int) ;

int candidate\_recordno(int, candidate\_record&) ;

void candidate\_sort(void) ;

int last\_voter\_code(int &num\_voters) ;

void delete\_voter\_record(int) ;

void modify\_voter\_record(int) ;

void display\_voter\_record(int) ;

int name\_voter\_found(int) ;

int voter\_recordno(int, voter\_record &vr) ;

void voter\_sort(void) ;

voter\_status\* init\_voter\_status(int &num);

candidate\_status\* init\_candidate\_status(int &num);

} ;

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

// CLASS NAME : menu

// DETAILS : IT CONTROLLS OVER ALL THE FUNCTIONS

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

class menu

{

public :

void main\_menu(void) ;

private :

void edit\_menu(void) ;

vote v;

} ;

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

// THIS FUNCTION CREATE MAIN MENU AND CALLS OTHER FUNCTIONS

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

void menu :: main\_menu(void)

{

clrscr() ;

char ch ;

while (1)

{

clrscr();

gotoxy(27,4) ;

cout<<" E L E C T I O N ";

gotoxy(27,6);

cout <<" V O T I N G S O F T W A R E " ;

gotoxy(31,8) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(32,9) ;

cout <<"1: VOTE " ;

gotoxy(32,11) ;

cout <<"2: SEE MENU " ;

gotoxy(32,13) ;

cout <<"3: EDIT " ;

gotoxy(32,17) ;

cout <<"0: QUIT " ;

gotoxy(32,20) ;

cout <<"Enter Choice : " ;

ch = getche() ;

if (ch == 27)

return ;

else

if (ch == '1')

{

vote v ;

v.voting() ;

}

else

if (ch == '2')

{

vote v ;

v.list\_of\_candidate\_names() ;

gotoxy(1,20) ;

cout <<"Press any key to see the voters details" ;

getche() ;

v.list\_of\_voters\_names();

}

else

if (ch == '3')

edit\_menu() ;

else

if (ch == '0')

break ;

}

}

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

// THIS FUNCTION CREATE EDIT MENU AND CALLS OTHER FUNCTIONS

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

void menu :: edit\_menu(void)

{

clrscr();

char ch,choice;

cout<<" \EDIT \MENU \n\n";

cout<<" 1: \\* EDIT CANDIDATE RECORD \\*\n";

cout<<" 2: \\* EDIT VOTER RECORD \\*\n";

cout<<" 0: \\* EXIT \\*\n";

cout<<" \ENTER \CHOICE: ";

choice = getche();

if (choice == '1')

{

while(1)

{

gotoxy(28,10) ;

cout <<" \* EDIT CANDIDATE RECORD \*" ;

gotoxy(28,12) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(28,14) ;

cout <<"1: \* \ADD \CANDIDATE \NAME \* " ;

gotoxy(28,16) ;

cout <<"2: \* \MODIFY \CANDIDATE \NAME \*" ;

gotoxy(28,18) ;

cout <<"3: \* \DELETE \CANDIDATE \NAME \*" ;

gotoxy(28,20) ;

cout <<"0: \* \EXIT \*" ;

gotoxy(28,22) ;

cout <<" ENTER CHOICE: " ;

ch = getche() ;

if (ch == '1')

{

vote v ;

v.add\_candidate\_name() ;

break ;

}

else if (ch == '2')

{

vote v ;

v.modify\_candidate\_name() ;

break ;

}

else if (ch == '3')

{

vote v ;

v.delete\_candidate\_name() ;

break ;

}

else

if (ch == '0')

break ;

}

}

if(choice=='2')

{

while (1)

{

gotoxy(28,10) ;

cout <<" \* EDIT VOTER RECORD \*" ;

gotoxy(28,12) ;

cout <<" ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(28,14) ;

cout <<"1: \* \ADD \VOTER \NAME \* " ;

gotoxy(28,16) ;

cout <<"2: \* \MODIFY \VOTER \NAME \* " ;

gotoxy(28,18) ;

cout <<"3: \* \DELETE \VOTER \NAME \* " ;

gotoxy(28,20) ;

cout <<"0: \* EXIT " ;

gotoxy(28,22) ;

cout <<"Enter Choice: " ;

ch = getche() ;

if (ch == '1')

{

vote v ;

v.add\_voter\_name() ;

break ;

}

else if (ch == '2')

{

vote v ;

v.modify\_voter\_name() ;

break ;

}

else if (ch == '3')

{

vote v ;

v.delete\_voter\_name() ;

break ;

}

else if (ch == '0')

break ;

}

}

}

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

// THIS FUNCTION RETURNS THE CODE OF THE LAST RECORD OF THE

// VOTER IN THE VOTER FILE (VOTER.DAT).

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

int vote :: last\_voter\_code(int &num\_voters)

{

voter\_record vr;

fstream file ;

num\_voters = 0;

file.open("VOTER.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int t=0 ;

while (file.read((char \*)&vr,sizeof(voter\_record)))

{

t = vr.voter\_namecode ;

num\_voters++;

}

file.close() ;

return t ;

}

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

// THIS FUNCTION DISPLAY THE LIST OF THE NAMES OF VOTERS

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

void vote :: list\_of\_voters\_names(void)

{

clrscr() ;

voter\_record vr;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

file.seekg(0) ;

int row = 6 , found = 0 , pageno = 1 ;

gotoxy(30,2) ;

cout <<"LIST OF NAMES OF VOTERS" ;

gotoxy(29,3) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(3,4) ;

cout <<"NAME CODE NAME AGE GENDER" ;

gotoxy(2,5) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

while (file.read((char \*)&vr, sizeof(voter\_record)))

{

delay(20) ;

found = 1 ;

gotoxy(5,row) ;

cout <<vr.voter\_namecode ;

gotoxy(14,row) ;

cout <<vr.voter\_name ;

gotoxy(37,row) ;

cout <<vr.age;

gotoxy(51,row) ;

cout <<vr.gender; ;

if ( row == 22 )

{

row = 5 ;

gotoxy(66,1) ;

cout <<"Page no. : " <<pageno ;

gotoxy(66,2) ;

cout <<"===============" ;

pageno++ ;

gotoxy(1,25) ;

cout <<"Press any key to continue..." ;

getche() ;

clrscr() ;

gotoxy(3,4) ;

cout << "NAME CODE NAME AGE GENDER " ;

gotoxy(2,5) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

}

else

row++ ;

}

if ( !found )

{

gotoxy(5,10) ;

cout <<"\7Records not found " ;

}

gotoxy(66,1) ;

cout <<"Page no. : " <<pageno ;

gotoxy(66,2) ;

cout <<"===============" ;

gotoxy(1,20) ;

cout <<"Press any key to continue..." ;

getch() ;

file.close () ;

}

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

// THIS FUNCTION ADD RECORDS IN THE VOTER FILE (VOTER.DAT)

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

void vote :: add\_voter\_name(void)

{

voter\_record vr;

int vcode, valid ;

char ch;

int num\_voters;

vcode = last\_voter\_code(num\_voters) ;

vcode++ ;

do

{

clrscr() ;

gotoxy(71,2) ;

cout <<"<0>=Exit" ;

gotoxy(23,3) ;

cout <<" ADD NAME TO THE VOTER LIST" ;

gotoxy(23,4) ;

cout <<" ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(5,6) ;

cout <<"Name Code : " <<vcode ;

gotoxy(5,8) ;

cout <<"Name: " ;

gotoxy(5,10) ;

cout <<"Age: " ;

gotoxy(5,12) ;

cout <<"Gender: " ;

do

{

valid = 1 ;

gotoxy(1,8) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME OF THE VOTER TO ADD IN THE LIST" ;

gotoxy(5,8) ;

cout <<" Name : " ;

gets(vr.voter\_name) ;

strupr(vr.voter\_name) ;

if (vr.voter\_name[0] == '0')

return ;

if ((strlen(vr.voter\_name) < 1) || (strlen(vr.voter\_name) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A...Z" ;

getch() ;

}

}while (!valid) ;

do

{

valid = 1 ;

gotoxy(1,10) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER AGE OF VOTER TO ADD IN THE LIST" ;

gotoxy(5,10) ;

cout <<"Age : " ;

gets(vr.age) ;

strupr(vr.age);

if (vr.age[0] == '0')

return ;

if ((strlen(vr.age) < 1) || (strlen(vr.age) > 3 ) || (!string\_is\_number(vr.age)))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = 18...100" ;

getch() ;

}

if (atoi(vr.age) < 18)

{

valid = 0;

gotoxy(3,24);

cout <<"\7 Voter's age is less than 18";

getch();

}

} while (!valid) ;

do

{

valid = 1 ;

gotoxy(1,12) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER GENDER OF VOTER TO ADD IN THE MENU" ;

gotoxy(5,12) ;

cout <<"GENDER : " ;

gets(vr.gender) ;

strupr(vr.gender);

if (vr.gender[0] == '0')

return ;

if ((strlen(vr.gender) < 1) ||(strlen(vr.gender) > 1)

|| (strcmp(vr.gender,"M") && strcmp(vr.gender,"F")))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = M/F" ;

getch() ;

}

} while (!valid) ;

do

{

gotoxy(1,15) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,15) ;

cout <<"Do you want to save this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'Y')

{

vr.voter\_namecode = vcode ;

fstream file ;

file.open("VOTER.DAT", ios::out | ios::app |ios::binary) ;

file.write((char \*)&vr, sizeof(voter\_record)) ;

file.close() ;

vcode++ ;

}

do

{

gotoxy(1,17) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,17) ;

cout <<"Do you want to add more records (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

} while (ch == 'Y') ;

}

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

// THIS FUNCTION DISPLAY THE RECORD OF THE GIVEN CODE FROM

// THE VOTER FILE (VOTER.DAT)

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

void vote :: display\_voter\_record(int vcode)

{

voter\_record vr;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

while (file.read((char \*)&vr, sizeof(voter\_record)))

{

if (vr.voter\_namecode == vcode)

{

gotoxy(5,3) ;

cout <<"Name Code : "<<vr.voter\_namecode ;

gotoxy(5,4) ;

cout <<"Name : "<<vr.voter\_name ;

gotoxy(5,5) ;

cout <<"Age : "<<vr.age ;

gotoxy(5,6) ;

cout <<"Gender : "<<vr.gender ;

break ;

}

}

file.close() ;

}

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

// THIS FUNCTION RETURN THE VALUE 1 IF THE RECORD IS FOUND

// FOR THE GIVEN CODE IN THE VOTER FILE (VOTER.DAT)

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

int vote :: name\_voter\_found(int tcode)

{

voter\_record vr;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int found=0 ;

while (file.read((char \*)&vr, sizeof(voter\_record)))

{

if (vr.voter\_namecode == tcode)

{

found++ ;

break ;

}

}

file.close() ;

return found ;

}

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

// THIS FUNCTION RETURN THE RECORD NO. OF THE GIVEN CODE IN

// THE VOTER FILE (VOTER.DAT)

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

int vote :: voter\_recordno(int tcode, voter\_record &vr)

{

voter\_record temp;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int found=0 ;

while (file.read((char \*)&temp, sizeof(voter\_record)))

{

found++ ;

if (temp.voter\_namecode == tcode)

{

vr = temp;

break ;

}

}

file.close() ;

return found ;

}

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

// THIS FUNCTION DELETES THE RECORD FOR THE GIVEN CODE FROM

// THE VOTER FILE (VOTER.DAT)

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

void vote :: delete\_voter\_record(int tcode)

{

voter\_record vr;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

fstream temp ;

temp.open("temp.dat", ios::out|ios::binary) ;

file.seekg(0,ios::beg) ;

while ( !file.eof() )

{

file.read((char \*)&vr, sizeof(voter\_record)) ;

if ( file.eof() )

break ;

if ( vr.voter\_namecode != tcode )

temp.write((char \*)&vr, sizeof(voter\_record)) ;

}

file.close() ;

temp.close() ;

file.open("VOTER.DAT", ios::out|ios::binary) ;

temp.open("temp.dat", ios::in|ios::binary) ;

temp.seekg(0,ios::beg) ;

while ( !temp.eof() )

{

temp.read((char \*)&vr, sizeof(voter\_record)) ;

if ( temp.eof() )

break ;

file.write((char \*)&vr, sizeof(voter\_record)) ;

}

file.close() ;

temp.close() ;

}

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

// THIS FUNCTION GIVES THE CODE NO. TO DELETE RECORD FROM

// THE VOTER FILE (VOTER.DAT)

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

void vote :: delete\_voter\_name(void)

{

clrscr() ;

char t\_code[5], ch ;

int tcode ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to see the list" ;

gotoxy(5,3) ;

cout <<"Enter Name Code of the item to be deleted : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

{

list\_of\_voters\_names() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to Exit" ;

gotoxy(5,24) ;

cout <<"Enter Name Code of the item to be deleted : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

return ;

}

clrscr() ;

if (!name\_voter\_found(tcode))

{

gotoxy(5,5) ;

cout <<"\7Record not found" ;

getch() ;

return ;

}

display\_voter\_record(tcode) ;

do

{

gotoxy(1,8) ; clreol() ;

gotoxy(5,8) ;

cout <<"Do you want to delete this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

delete\_voter\_record(tcode) ;

gotoxy(5,15) ;

cout <<"\7Record Deleted" ;

getch() ;

}

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

// THIS FUNCTION MODIFY THE RECORD FOR THE GIVEN CODE FROM

// THE VOTER FILE (VOTER.DAT)

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

void vote :: modify\_voter\_record(int tcode)

{

voter\_record vr;

int recno ;

recno = voter\_recordno(tcode,vr) ;

if (recno == 0)

return;

int valid, t\_code ;

char ch,t\_namecode[5] ;

gotoxy(71,2) ;

cout <<"<0>=Exit" ;

gotoxy(5,12) ;

cout <<"Name Code : " ;

gotoxy(5,14) ;

cout <<" Name : " ;

gotoxy(5,16) ;

cout <<" Age : " ;

gotoxy(5,18) ;

cout <<"Gender: " ;

do

{

gotoxy(20,12) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,12) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME CODE TO ADD IN THE MENU" ;

gotoxy(5,12) ;

cout <<"Name Code : " ;

gets(t\_namecode) ;

vr.voter\_namecode = atoi(t\_namecode) ;

if (vr.voter\_namecode == 0)

return ;

if (name\_voter\_found(vr.voter\_namecode) && vr.voter\_namecode != tcode)

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 CODE ALREADY GIVEN" ;

getch() ;

}

}

do

{

gotoxy(20,14) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,14) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME TO ADD IN THE MENU" ;

gotoxy(5,14) ;

cout <<" Name : " ;

gets(vr.voter\_name) ;

strupr(vr.voter\_name) ;

if (vr.voter\_name[0] == '0')

return ;

if ((strlen(vr.voter\_name) < 1) || (strlen(vr.voter\_name) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = 1..50" ;

getch() ;

}

}

do

{

gotoxy(20,16) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,16) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER AGE OF VOTER TO ADD IN THE MENU" ;

gotoxy(5,16) ;

cout <<"Age : " ;

gets(vr.age) ;

strupr(vr.age);

if (vr.age[0] == '0')

return ;

if ((strlen(vr.age) < 1) || (strlen(vr.age) > 10) || !string\_is\_number(vr.age))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = 1..10" ;

getch() ;

}

}

do

{

gotoxy(20,18) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,18) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER GENDER OF VOTER TO ADD IN THE MENU" ;

gotoxy(5,18) ;

cout <<"Gender : " ;

gets(vr.gender) ;

strupr(vr.gender);

if (vr.gender[0] == '0')

return ;

if ((strlen(vr.gender) < 1) || (strlen(vr.gender) > 10))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = " <<vr.gender <<"..10" ;

getch() ;

}

}

do

{

gotoxy(1,21) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,21) ;

cout <<"Do you want to save this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

getch() ;

fstream file ;

file.open("VOTER.DAT", ios::out | ios::ate|ios::binary) ;

int location ;

location = (recno-1) \* sizeof(vr) ;

cout << " Location is " << location;

file.seekp(location) ;

file.write((char \*) &vr, sizeof(voter\_record)) ;

file.close() ;

voter\_sort() ;

clrscr() ;

gotoxy(5,15) ;

cout <<"\7Record Modified" ;

getch() ;

}

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

// THIS FUNCTION GIVES THE CODE NO. TO MODIFY RECORD FROM

// THE VOTER FILE (VOTER.DAT)

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

void vote :: modify\_voter\_name(void)

{

clrscr() ;

char t\_code[5], ch ;

int tcode ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to see the list" ;

gotoxy(5,3) ;

cout <<"Enter Name Code of the item to be Modify : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

{

list\_of\_voters\_names() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to Exit" ;

gotoxy(5,24) ;

cout <<"Enter Name Code of the item to be modify : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

return ;

}

clrscr() ;

if (!name\_voter\_found(tcode))

{

gotoxy(5,5) ;

cout <<"\7Record not found" ;

getch() ;

return ;

}

display\_voter\_record(tcode) ;

do

{

gotoxy(5,8) ;

cout <<"Do you want to Modify this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

modify\_voter\_record(tcode) ;

}

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

// THIS FUNCTION SORT THE RECORD IN THE VOTER FILE (VOTER.DAT)

// ACCORDING TO THE CODE NOS.

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

void vote :: voter\_sort(void)

{

int i=0,j ;

voter\_record \*arr, temp ;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

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

// COUNT THE NUMBER OF RECORDS IN THE FILE

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

while (file.read((char \*) &temp, sizeof(voter\_record)))

i++ ;

file.clear();

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

// CREATE AN ARRAY TO HOD ALL THE RECORDS

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

arr = (voter\_record\*) new voter\_record[i];

int size ;

size = i ;

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

// SEEK THE FIE BACK TO THE BEGINNING

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

file.seekg(0,ios::beg) ;

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

// READ THE RECORDS FROM THE FILE TO THE ARRAY

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

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

file.read((char\*)&(arr[i]),sizeof(voter\_record));

file.close() ;

for (i=1; i<size; i++)

{

for (j=0; j<size-i; j++)

{

if (arr[j].voter\_namecode > arr[j+1].voter\_namecode)

{

temp=arr[j];

arr[j]=arr[j+1];

arr[j+1]=temp;

}

}

}

file.open("VOTER.DAT", ios::out|ios::binary) ;

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

file.write((char \*) &arr[i], sizeof(voter\_record));

delete[] arr;

file.close() ;

}

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

// THIS FUNCTION IS THE MAIN FUNCTION CALLING THE MAIN MENU

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

void main(void)

{

clrscr() ;

char des;

description();

// exit();

clrscr();

char p;

pass();

clrscr();

menu m ;

m.main\_menu() ;

}

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

// THIS FUNCTION SORT THE RECORD IN THE CANDIDATE FILE (CANDIDATE.DAT)

// ACCORDING TO THE CODE NOS.

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

void vote :: candidate\_sort(void)

{

int i=0,j ;

candidate\_record \*arr, temp ;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

while (file.read((char \*) &temp, sizeof(candidate\_record)))

i++ ;

file.clear();

arr = (candidate\_record\*) new candidate\_record[i];

int size ;

size = i ;

file.seekg(0,ios::beg) ;

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

file.read((char\*)&arr[i],sizeof(candidate\_record));

file.close() ;

for (i=1; i<size; i++)

{

for (j=0; j<size-i; j++)

{

if (arr[j].candidate\_namecode > arr[j+1].candidate\_namecode)

{

temp=arr[j];

arr[j]=arr[j+1];

arr[j+1]=temp;

}

}

}

file.open("CANDIDATE.DAT", ios::out|ios::binary) ;

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

file.write((char \*) &arr[i], sizeof(candidate\_record));

delete[] arr;

file.close() ;

}

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

// THIS FUNCTION GIVES THE CODE NO. TO MODIFY RECORD FROM

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: modify\_candidate\_name(void)

{

clrscr() ;

char t\_code[5], ch ;

int tcode ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to see the list" ;

gotoxy(5,3) ;

cout <<"Enter Name Code of the item to be Modify : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

{

list\_of\_candidate\_names() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to Exit" ;

gotoxy(5,24) ;

cout <<"Enter Name Code of the item to be modify : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

return ;

}

clrscr() ;

if (!name\_candidate\_found(tcode))

{

gotoxy(5,5) ;

cout <<"\7Record not found" ;

getch() ;

return ;

}

display\_candidate\_record(tcode) ;

do

{

gotoxy(5,8) ;

cout <<"Do you want to Modify this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

modify\_candidate\_record(tcode) ;

}

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

// THIS FUNCTION MODIFY THE RECORD FOR THE GIVEN CODE FROM

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: modify\_candidate\_record(int tcode)

{

candidate\_record cr;

int recno ;

int revenue;

recno = candidate\_recordno(tcode,cr) ;

int valid, t\_code ;

char ch,t\_namecode[5] ;

gotoxy(71,2) ;

cout <<"<0>=Exit" ;

gotoxy(5,12) ;

cout <<"Name Code : " ;

gotoxy(5,14) ;

cout <<" Name : " ;

gotoxy(5,16) ;

cout <<" Party Name : " ;

gotoxy(5,18) ;

cout <<"Party Sign: " ;

gotoxy(5,20) ;

cout <<"Summary : " ;

do

{

gotoxy(20,12) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,12) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME CODE TO ADD IN THE MENU" ;

gotoxy(5,12) ;

cout <<"Name Code : " ;

gets(t\_namecode) ;

cr.candidate\_namecode = atoi(t\_namecode) ;

if (cr.candidate\_namecode == 0)

return ;

if (name\_candidate\_found(cr.candidate\_namecode) && cr.candidate\_namecode != tcode)

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 CODE ALREADY GIVEN" ;

getch() ;

}

}

do

{

gotoxy(20,14) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,14) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME TO ADD IN THE MENU" ;

gotoxy(5,14) ;

cout <<" Name : " ;

gets(cr.candidate\_name) ;

strupr(cr.candidate\_name) ;

if (cr.candidate\_name[0] == '0')

return ;

if ((strlen(cr.candidate\_name) < 1) || (strlen(cr.candidate\_name) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = 1..50" ;

getch() ;

}

}

do

{

gotoxy(20,16) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,16) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER PARTY NAME TO ADD IN THE MENU" ;

gotoxy(5,16) ;

cout <<"Party Name : " ;

gets(cr.partyname) ;

strupr(cr.partyname);

if (cr.partyname[0] == '0')

return ;

if ((strlen(cr.partyname) < 1) || (strlen(cr.partyname) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = 1..50" ;

getch() ;

}

}

do

{

gotoxy(20,18) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,18) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER PARTY SIGN TO ADD IN THE MENU" ;

gotoxy(5,18) ;

cout <<"Party Sign : " ;

gets(cr.partysign) ;

strupr(cr.partysign);

if (cr.partysign[0] == '0')

return ;

if ((strlen(cr.partysign) < 1) || (strlen(cr.partysign) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = " <<cr.partysign <<"..50" ;

getch() ;

}

}

do

{

gotoxy(20,20) ; clreol() ;

cout <<"Change (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

valid = 0 ;

while (ch == 'Y' && !valid)

{

valid = 1 ;

gotoxy(1,20) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER THE SUMMARY OF THE CANDIDATE" ;

gotoxy(5,20) ;

cout <<"Summary declared: " ;

gets(cr.summary) ;

strupr(cr.summary);

if (cr.summary[0] == '0')

return ;

if ((strlen(cr.summary) < 1) || (strlen(cr.summary) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = " <<cr.summary <<"..50" ;

getch() ;

}

}

do

{

gotoxy(1,21) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,21) ;

cout <<"Do you want to save this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

if (ch == '0')

return ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

getch() ;

fstream file ;

file.open("CANDIDATE.DAT", ios::out | ios::ate|ios::binary) ;

int location ;

location = (recno-1) \* sizeof(cr) ;

file.seekp(location) ;

file.write((char \*) &cr, sizeof(candidate\_record)) ;

file.close() ;

candidate\_sort() ;

clrscr() ;

gotoxy(5,15) ;

cout <<"\7Record Modified" ;

getch() ;

}

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

// THIS FUNCTION RETURN THE VALUE 1 IF THE RECORD IS FOUND

// FOR THE GIVEN CODE IN THE CANDIDATE FILE (CANDIDATE.DAT)

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

int vote :: name\_candidate\_found(int tcode)

{

candidate\_record cr;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int found=0 ;

while (file.read((char \*)&cr, sizeof(candidate\_record)))

{

if (cr.candidate\_namecode == tcode)

{

found++ ;

break ;

}

}

file.close() ;

return found ;

}

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

// THIS FUNCTION DISPLAY THE RECORD OF THE GIVEN CODE FROM

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: display\_candidate\_record(int tcode)

{ candidate\_record cr;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

while (file.read((char \*)&cr, sizeof(candidate\_record)))

{

if (cr.candidate\_namecode == tcode)

{

gotoxy(5,3) ;

cout <<"Name Code : "<<cr.candidate\_namecode ;

gotoxy(5,4) ;

cout <<"Name : "<<cr.candidate\_name ;

gotoxy(5,5) ;

cout <<"Party Name : "<<cr.partyname ;

gotoxy(5,6) ;

cout <<"Party Sign : "<<cr.partysign ;

gotoxy(5,7) ;

cout <<"Revenue : "<<cr.revenue ;

gotoxy(5,8) ;

cout <<"Age : "<<cr.age ;

gotoxy(5,9) ;

cout <<"Area : "<<cr.area ;

break ;

}

}

file.close() ;

}

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

// THIS FUNCTION ADD RECORDS IN THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: add\_candidate\_name(void)

{

candidate\_record cr;

int tcode, valid ;

char ch;

int num\_candidates;

tcode = last\_candidate\_code(num\_candidates) ;

tcode++ ;

do

{

clrscr() ;

gotoxy(71,2) ;

cout <<"<0>=Exit" ;

gotoxy(27,3) ;

cout <<" ADD NAME TO THE CANDIDATE LIST" ;

gotoxy(26,4) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(5,6) ;

cout <<"Name Code : " <<tcode ;

gotoxy(5,8) ;

cout <<"Name : " ;

gotoxy(5,10) ;

cout <<"Party Name : " ;

gotoxy(5,12) ;

cout <<"Party Sign : " ;

gotoxy(5,14) ;

cout <<"Summary : " ;

do

{

valid = 1 ;

gotoxy(1,8); clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"ENTER NAME TO ADD IN THE CANDIDATE LIST" ;

gotoxy(5,8) ;

cout <<"Name : " ;

gets(cr.candidate\_name) ;

strupr(cr.candidate\_name) ;

if (cr.candidate\_name[0] == '0')

return ;

if ((strlen(cr.candidate\_name) < 1) || (strlen(cr.candidate\_name) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1 ;

gotoxy(1,10) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER PARTY NAME TO ADD IN THE LIST" ;

gotoxy(5,10) ;

cout <<"Party Name : " ;

gets(cr.partyname) ;

strupr(cr.partyname);

if (cr.partyname[0] == '0')

return ;

if ((strlen(cr.partyname) < 1) || (strlen(cr.partyname) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1 ;

gotoxy(1,12) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER PARTY SIGN TO ADD IN THE MENU" ;

gotoxy(5,12) ;

cout <<"Party Sign : " ;

gets(cr.partysign) ;

strupr(cr.partysign);

if (cr.partysign[0] == '0')

return ;

if ((strlen(cr.partysign) < 1) ||(strlen(cr.partysign) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1;

gotoxy(1,14) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER SUMMARY OF THE CANDIDATE" ;

gotoxy(5,14) ;

cout <<"SUMMARY AS FOLLOWS " ;

getch();

// gets(cr.summary) ;

strupr(cr.summary);

if (cr.summary[0] == '0')

return ;

if ((strlen(cr.summary) < 1) ||(strlen(cr.summary) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1;

gotoxy(1,16) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER REVENUE OF THE CANDIDATE" ;

gotoxy(5,16) ;

cout <<"Revenue : " ;

gets(cr.revenue) ;

strupr(cr.revenue);

if (cr.revenue[0] == '0')

return ;

if ((strlen(cr.revenue) < 1) ||(strlen(cr.revenue) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1;

gotoxy(1,18) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER AGE OF THE CANDIDATE" ;

gotoxy(5,18) ;

cout <<"Age : " ;

gets(cr.age) ;

strupr(cr.age);

if (cr.age[0] == '0')

return ;

if ((strlen(cr.age) < 1) ||(strlen(cr.age) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

valid = 1;

gotoxy(1,20) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,25) ;

cout <<"ENTER AREA OF THE CANDIDATE" ;

gotoxy(5,20) ;

cout <<"Area : " ;

gets(cr.area) ;

strupr(cr.area);

if (cr.area[0] == '0')

return ;

if ((strlen(cr.area) < 1) ||(strlen(cr.area) > 50))

{

valid = 0 ;

gotoxy(3,24) ;

cout <<"\7 Range = A.....Z" ;

getch() ;

}

} while (!valid) ;

do

{

gotoxy(1,15) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,28) ;

cout <<"Do you want to save this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'Y')

{

cr.candidate\_namecode = tcode ;

fstream file ;

file.open("CANDIDATE.DAT", ios::out | ios::app | ios::binary) ;

file.write((char \*)&cr, sizeof(candidate\_record)) ;

file.close() ;

tcode++ ;

}

do

{

gotoxy(1,17) ; clreol() ;

gotoxy(1,24) ; clreol() ;

gotoxy(1,25) ; clreol() ;

gotoxy(5,30) ;

cout <<"Do you want to add more records (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

} while (ch == 'Y') ;

}

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

// THIS FUNCTION DISPLAY THE LIST OF THE NAMES OF CANDIDATES

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

void vote :: list\_of\_candidate\_names(void)

{

clrscr() ;

candidate\_record cr;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

file.seekg(0) ;

int row = 6 , found = 0 , pageno = 1 ;

gotoxy(30,2) ;

cout <<"LIST OF NAMES OF CANDIDATES" ;

gotoxy(29,3) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

gotoxy(3,4) ;

cout <<"NAME CODE NAME PARTY NAME PARTY SIGN REVENUE AGE AREA";

gotoxy(2,5) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

while (file.read((char \*)&cr, sizeof(candidate\_record)))

{

delay(20) ;

found = 1 ;

gotoxy(5,row) ;

cout <<cr.candidate\_namecode ;

gotoxy(14,row) ;

cout <<cr.candidate\_name ;

gotoxy(31,row) ;

cout <<cr.partyname ;

gotoxy(45,row) ;

cout <<cr.partysign ;

gotoxy(58,row) ;

cout <<cr.revenue ;

gotoxy(69,row) ;

cout <<cr.age ;

gotoxy(75,row) ;

cout <<cr.area ;

if ( row == 22 )

{

row = 5 ;

gotoxy(66,1) ;

cout <<"Page no. : " <<pageno ;

gotoxy(66,2) ;

cout <<"===============" ;

pageno++ ;

gotoxy(1,25) ;

cout <<"Press any key to continue..." ;

getche() ;

clrscr() ;

gotoxy(3,4) ;

cout << "NAME CODE NAME PARTY NAME PARTY SIGN REVENUE AGE AREA" ;

gotoxy(2,5) ;

cout <<"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~" ;

}

else

row++ ;

}

if ( !found )

{

gotoxy(5,10) ;

cout <<"\7Records not found " ;

}

gotoxy(66,1) ;

cout <<"Page no. : " <<pageno ;

gotoxy(66,2) ;

cout <<"===============" ;

gotoxy(1,20) ;

cout <<"Press any key to continue..." ;

getche() ;

file.close () ;

}

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

// THIS FUNCTION RETURNS THE CODE OF THE LAST RECORD IN THE

// CANDIDATE FILE (CANDIDATE.DAT).

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

int vote :: last\_candidate\_code(int &num\_candidates)

{

candidate\_record cr;

fstream file ;

num\_candidates = 0;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int t=0 ;

while (file.read((char \*) &cr, sizeof(candidate\_record)))

{

t = cr.candidate\_namecode ;

num\_candidates++;

}

file.close() ;

return t ;

}

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

// THIS FUNCTION RETURN THE RECORD NO. OF THE GIVEN CODE IN

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

int vote :: candidate\_recordno(int tcode,candidate\_record &cr)

{

candidate\_record temp;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

file.seekg(0,ios::beg) ;

int found=0 ;

while (file.read((char \*) &temp, sizeof(candidate\_record)))

{

found++ ;

if (temp.candidate\_namecode == tcode)

{

cr = temp;

break ;

}

}

file.close() ;

return found ;

}

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

// THIS FUNCTION DELETES THE RECORD FOR THE GIVEN CODE FROM

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: delete\_candidate\_record(int tcode)

{

candidate\_record cr;

fstream file ;

file.open("CANDIDATE.DAT", ios::in|ios::binary) ;

fstream temp ;

temp.open("temp.dat", ios::out|ios::binary) ;

file.seekg(0,ios::beg) ;

while ( !file.eof() )

{

file.read((char \*)&cr, sizeof(candidate\_record)) ;

if ( file.eof() )

break ;

if ( cr.candidate\_namecode != tcode )

temp.write((char \*)&cr, sizeof(candidate\_record)) ;

}

file.close() ;

temp.close() ;

file.open("CANDIDATE.DAT", ios::out|ios::binary) ;

temp.open("temp.dat", ios::in|ios::binary) ;

temp.seekg(0,ios::beg) ;

while ( !temp.eof() )

{

temp.read((char \*)&cr, sizeof(candidate\_record)) ;

if ( temp.eof() )

break ;

file.write((char \*) &cr, sizeof(candidate\_record)) ;

}

file.close() ;

temp.close() ;

}

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

// THIS FUNCTION GIVES THE CODE NO. TO DELETE RECORD FROM

// THE CANDIDATE FILE (CANDIDATE.DAT)

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

void vote :: delete\_candidate\_name(void)

{

clrscr() ;

char t\_code[5], ch ;

int tcode ;

gotoxy(3,25) ;

cout <<"Press <ENTER> to see the list" ;

gotoxy(5,3) ;

cout <<"Enter Name Code of the item to be deleted : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

{

list\_of\_candidate\_names() ;

gotoxy(1,25) ; clreol() ;

gotoxy(3,25) ;

cout <<"Press 0 to EXIT" ;

gotoxy(5,24) ;

cout <<"Enter Name Code of the item to be deleted : " ;

gets(t\_code) ;

tcode = atoi(t\_code) ;

if (tcode == 0)

return ;

}

clrscr() ;

if (!name\_candidate\_found(tcode))

{

gotoxy(5,5) ;

cout <<"\7Record not found" ;

getch() ;

return ;

}

display\_candidate\_record(tcode) ;

do

{

gotoxy(1,8) ; clreol() ;

gotoxy(5,8) ;

cout <<"Do you want to delete this record (y/n) : " ;

ch = getche() ;

ch = toupper(ch) ;

} while (ch != 'N' && ch != 'Y') ;

if (ch == 'N')

return ;

delete\_candidate\_record(tcode) ;

gotoxy(5,15) ;

cout <<"\7Record Deleted" ;

getch() ;

}

voter\_status\* vote::init\_voter\_status(int &num)

{

voter\_status \*vs = NULL;

num = 0;

last\_voter\_code(num);

if (num != 0)

{

vs = new voter\_status[num];

voter\_record vr;

fstream file ;

file.open("VOTER.DAT", ios::in|ios::binary) ;

for(int i = 0; i < num; i++)

{

file.read((char \*)&vr, sizeof(voter\_record));

vs[i].voter\_namecode = vr.voter\_namecode;

vs[i].voting\_status = 0;

}

file.close();

}

return vs;

}

candidate\_status\* vote::init\_candidate\_status(int &num)

{

candidate\_status \*cs = NULL;;

num = 0;

last\_candidate\_code(num);

if (num != 0)

{

cs = new candidate\_status[num];

candidate\_record cr;

fstream file;

file.open("CANDIDATE.DAT",ios::in|ios::binary);

for(int i = 0; i < num; i++)

{

file.read((char \*)&cr, sizeof(candidate\_record));

cs[i].candidate\_namecode = cr.candidate\_namecode;

cs[i].numVotes = 0;

}

file.close();

}

return cs;

}

void vote::voting()

{

clrscr() ;

char ch,name[50];

int n ,num\_voters = 0, num\_candidates = 0;

int vtr\_rec;

voter\_status\* vs = init\_voter\_status(num\_voters);

candidate\_status\* cs = init\_candidate\_status(num\_candidates);

int valid=0;

if (num\_voters == 0)

{

gotoxy(3,6);

cout << "There are NO VOTERS";

ch = getche();

delete[] vs;

delete[] cs;

return;

}

if (num\_candidates == 0)

{

gotoxy(3,6);

cout << "There are NO CANDIDATES";

ch = getche();

delete[] vs;

delete[] cs;

return;

}

while(1)

{

clrscr();

gotoxy(30,2);

cout <<"VOTING HAS STARTED";

gotoxy(29,3);

cout <<"~~~~~~~~~~~~~~~~~~~~~~";

{

int i;

for(i = 0; i < num\_voters; i++)

{

if (vs[i].voting\_status == 0) break;

}

if (i == num\_voters)

{

gotoxy(3,4);

cout<<"All VOTES have been casted";

getche();

break;

}

}

gotoxy(3,24) ;

clreol();

cout <<"To End the voting Enter <STOP>.\n";

gotoxy(3,25);

clreol();

cout <<"Once voting is stopped it cann't resume. You will have to start a fresh" ;

gotoxy(6,3);

clreol();

cout <<"Enter the voter code <To view listof voters press <ENTER>- ";

gets(name);

if (strcmp(name,"STOP") == 0)

{

//Terminate the Voting;

gotoxy(6,5);

clreol();

cout <<"Do you want to STOP the voting and start counting votes (y/n) - ";

ch = getche();

ch = toupper(ch);

while(!(ch == 'Y' || ch == 'N'))

{

gotoxy(70,5);

clreol();

ch = getche();

ch = toupper(ch);

}

if (ch == 'N')

{

gotoxy(6,5);

clreol();

continue;

}

else break;

}

n = string\_is\_number(name);

gotoxy(6,5);

clreol();

if (n == 0)

{

cout << "Incorrect voter code, enter only digits, try again ";

getche();

continue;

}

n = atoi(name);

if (n == 0)

{

list\_of\_voters\_names();

continue;

}

for(vtr\_rec = 0; vtr\_rec < num\_voters; vtr\_rec++)

{

if (vs[vtr\_rec].voter\_namecode == n)

{

if (vs[vtr\_rec].voting\_status == 1)

{

cout << "Voter with voter code "<< n <<" has alread voted";

}

getche();

break;

}

}

if ( vtr\_rec == num\_voters)

{

cout << "Voter code "<< n << " not found in Voter list";

getche();

continue;

}

if (vs[vtr\_rec].voting\_status == 1)

{

cout << "Voter code "<<n<< " has already voted, can't vote again";

getche();

continue;

}

while(1)

{

clrscr();

gotoxy(3,24) ;

clreol();

cout<<"To cast invalid vote press <y>";

gotoxy(3,3);

cout <<"Voter with voter code " << vs[vtr\_rec].voter\_namecode<<" is voting";

gotoxy(3,4);

cout<<"Enter the candidate code <To view list of candidate press <ENTER>-" ;

char can\_code[50];

gets(can\_code);

if (can\_code[0] == 'Y' || can\_code[0] == 'y')

{

vs[vtr\_rec].voting\_status = 1;

clrscr();

cout<<"Voter ";

gotoxy(3,7);

display\_voter\_record(vs[vtr\_rec].voter\_namecode);

gotoxy(3,8);

cout <<"has casted a invalid vote";

getche();

break;

}

int can = string\_is\_number(can\_code);

gotoxy(3,6);

if (can == 0)

{

cout << "Incorrect candidate code, enter only digits, try again ";

getche();

continue;

}

can = atoi(can\_code);

if (can == 0)

{

list\_of\_candidate\_names();

getche();

continue;

}

int can\_rec;

for(can\_rec=0; can\_rec<num\_candidates; can\_rec++)

{

if (cs[can\_rec].candidate\_namecode == can)

break;

}

if (can\_rec == num\_candidates)

{

cout <<"Candidate code "<<can<<" not found in Candidate List";

getche();

continue;

}

cs[can\_rec].numVotes++;

vs[vtr\_rec].voting\_status = 1;

clrscr();

gotoxy(3,6);

voter\_record vr;

voter\_recordno(vs[vtr\_rec].voter\_namecode, vr) ;

cout<<"Voter " << vr.voter\_name<< " has voterd for Candidate ";

candidate\_record cr;

candidate\_recordno(cs[can\_rec].candidate\_namecode,cr);

cout << cr.candidate\_name;

gotoxy(35,20);

cout<<"VOTE CASTED";

getche();

valid=1;

break;

}

}

if (valid)

{

clrscr();

gotoxy(20,9);

cout<<"VOTING RESULTS";

int tie =0;

int winner=0;

int max = 0;

int i;

for(i = 0; i < num\_candidates; i++)

{

if (cs[i].numVotes > max)

{

max = cs[i].numVotes;

}

else if (cs[i].numVotes == max && max > 0)

tie = 1;

}

gotoxy(20,12);

if (tie) cout<<"Voting has resulted in tie, joint winners are";

else cout <<"WINNER is ";

gotoxy(20,13);

for(i = 0; i < num\_candidates; i++)

{

if (cs[i].numVotes == max)

{

candidate\_record cr;

candidate\_recordno(cs[i].candidate\_namecode,cr);

if (winner)

cout<<", ";

cout << "\n\n\t\t\t"<<cr.candidate\_name<<endl;

gotoxy(25,25);

cout<<"THE SUMMARY FOLLOWS";

delay(500);

gotoxy(25,27);

delay(500);

cout << "PARTY NAME -->"<<cr.partyname<<endl;

gotoxy(25,29);

delay(500);

cout << "PARTY SIGN -->"<<cr.partysign<<endl;

gotoxy(25,31);

delay(500);

cout << "REVENUE -->"<<cr.revenue<<endl;

gotoxy(25,33);

delay(500);

cout << "AGE -->"<<cr.age<<endl;

gotoxy(25,35);

delay(500);

cout << "AREA -->"<<cr.area;

winner++;

}

}

}

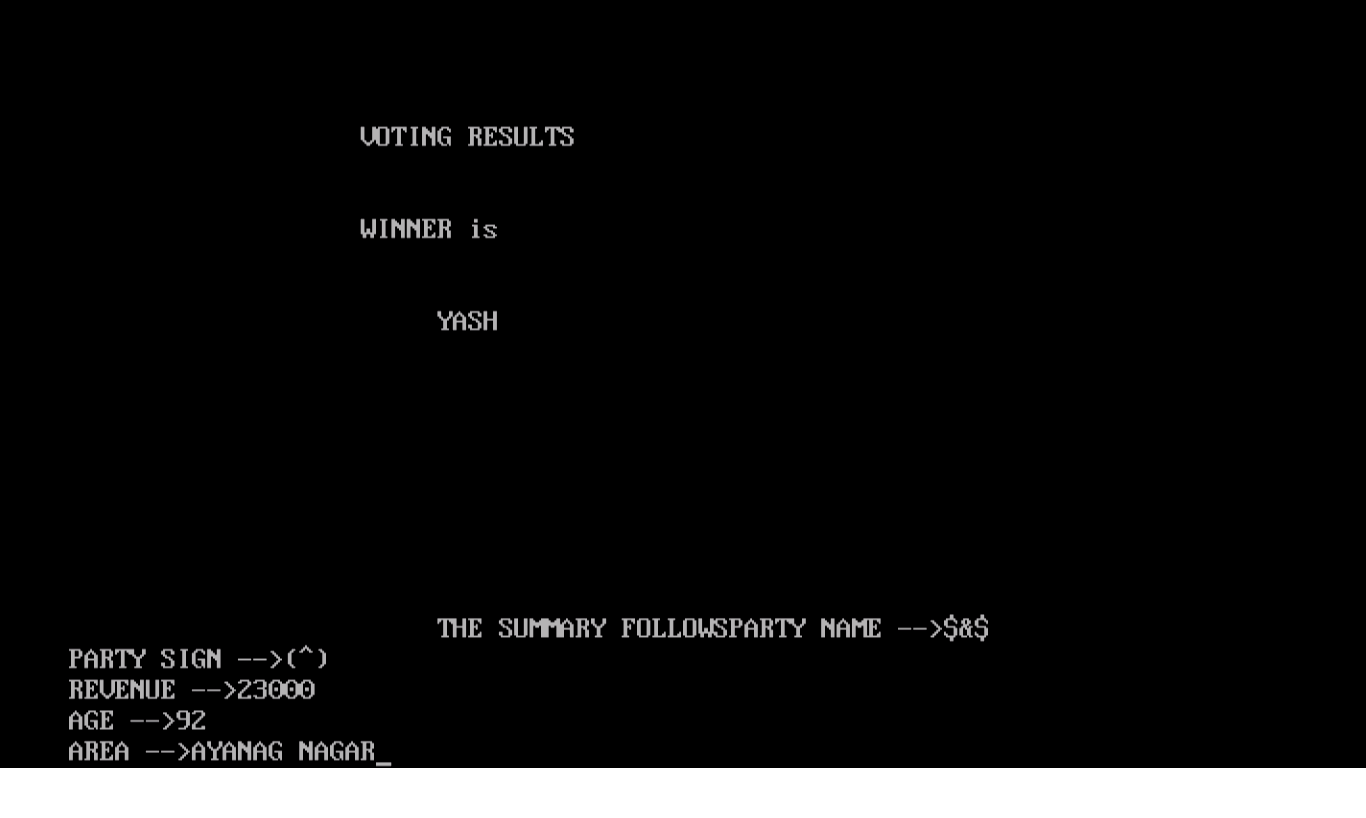
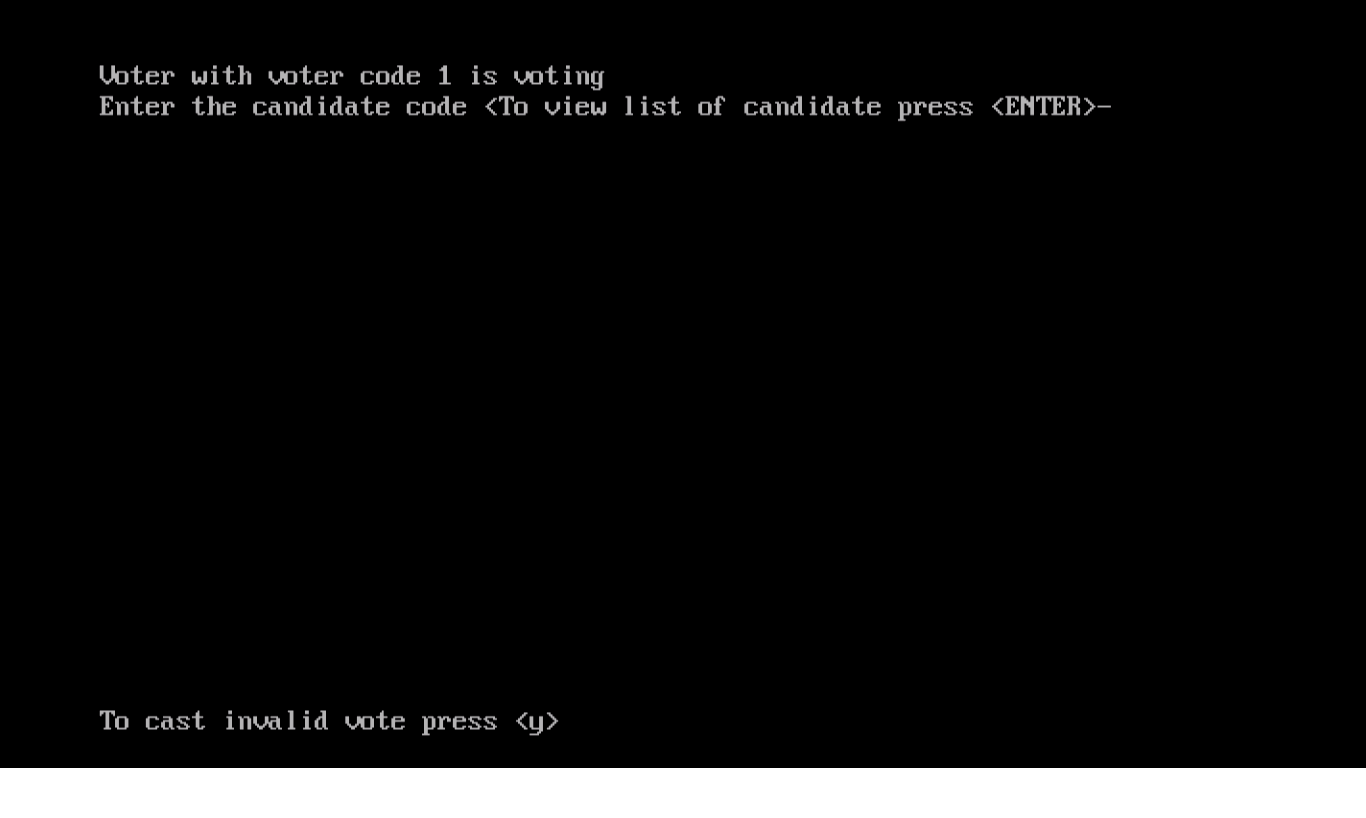
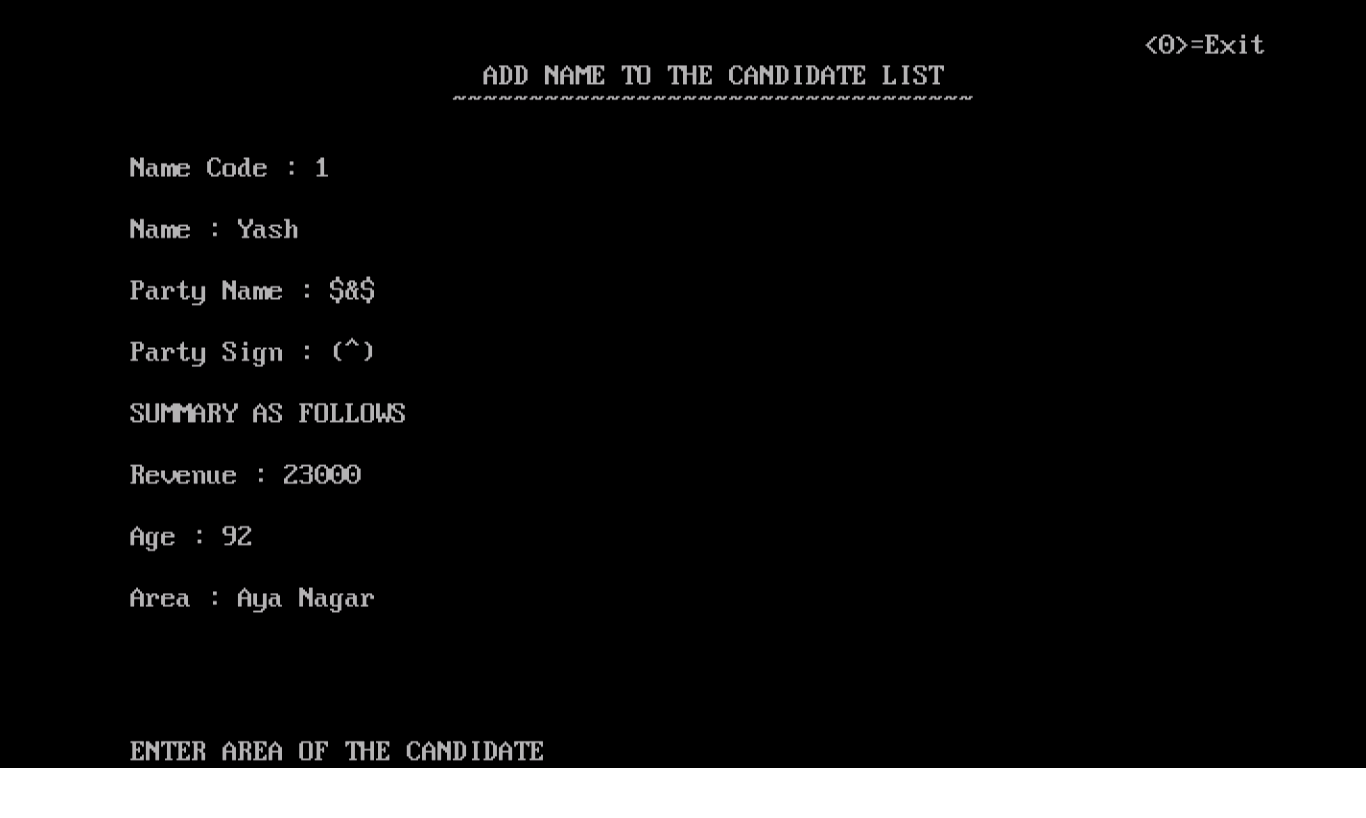
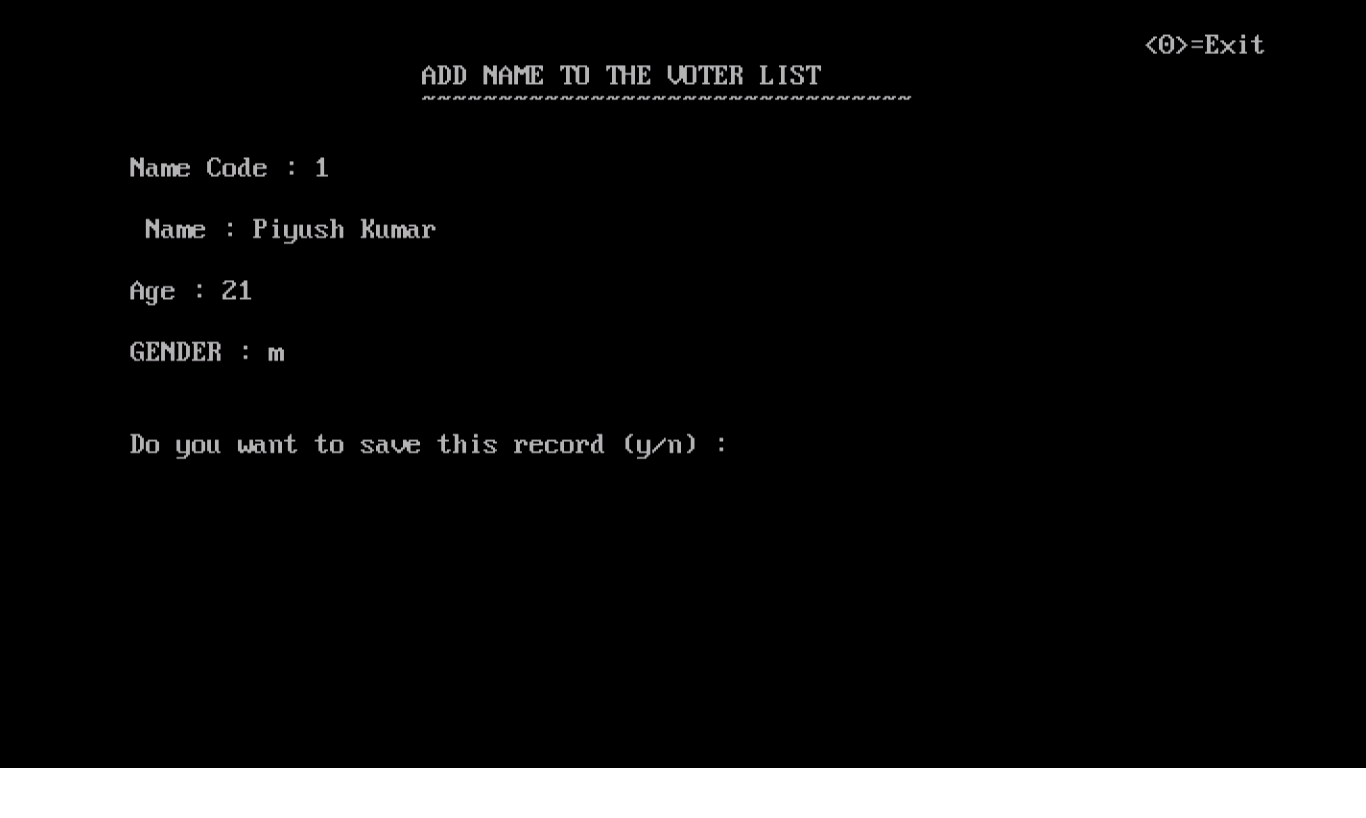
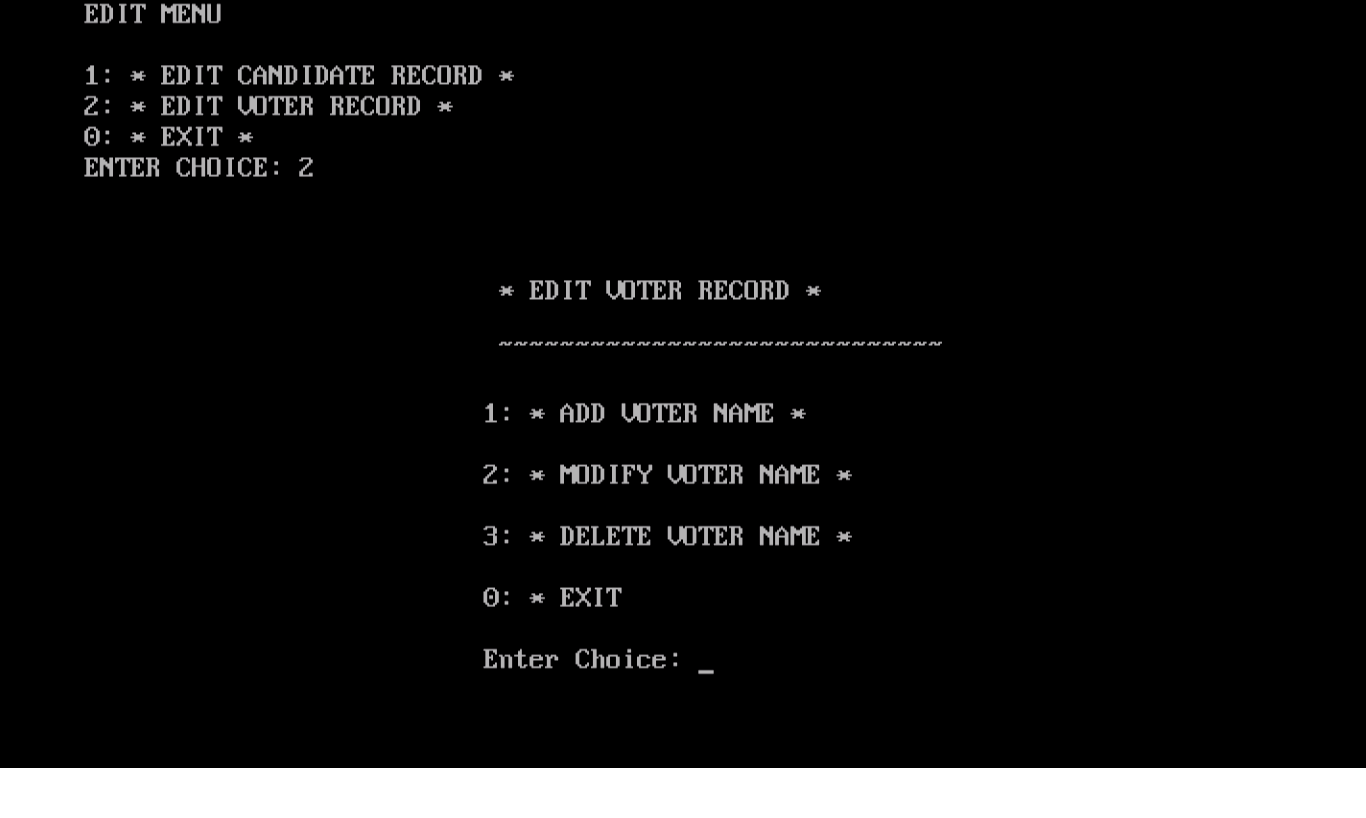
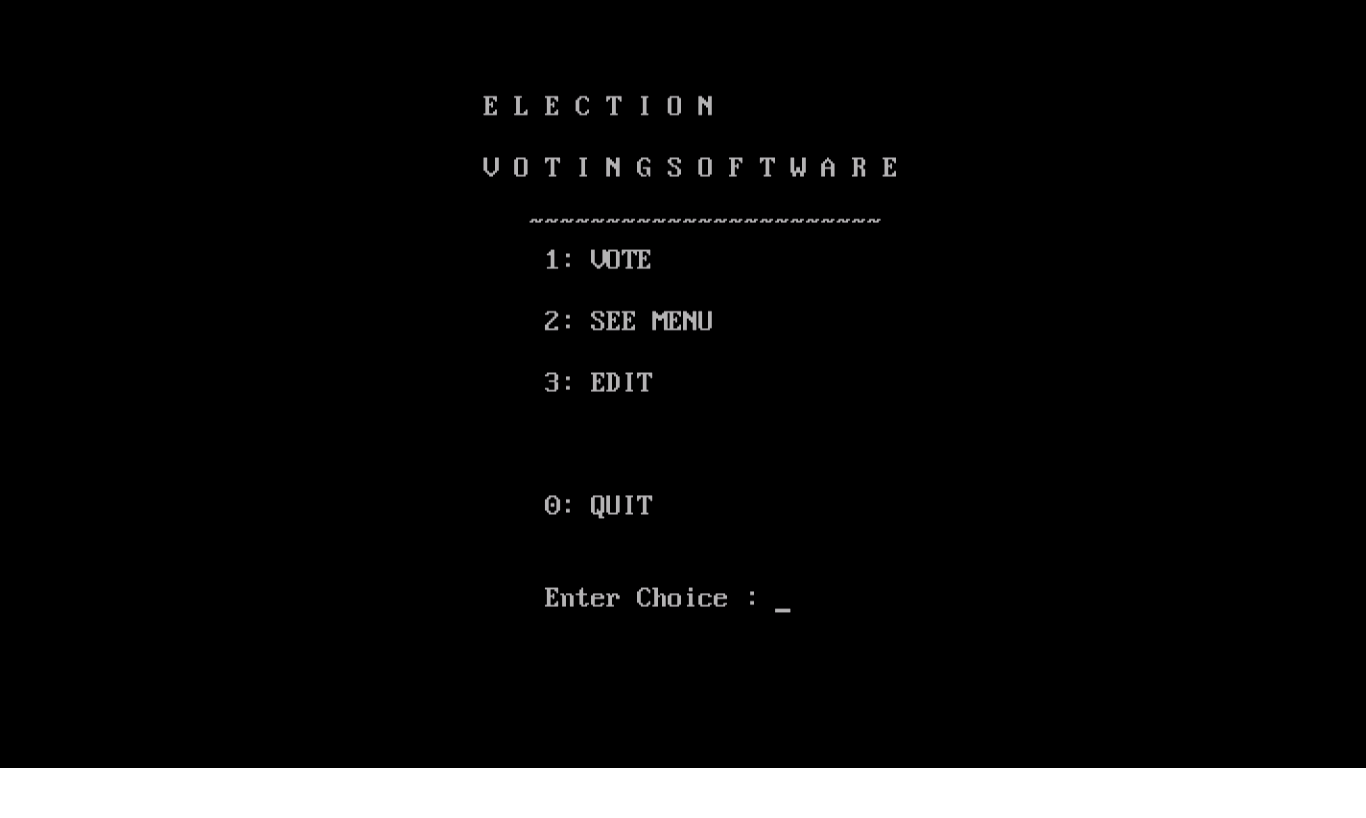
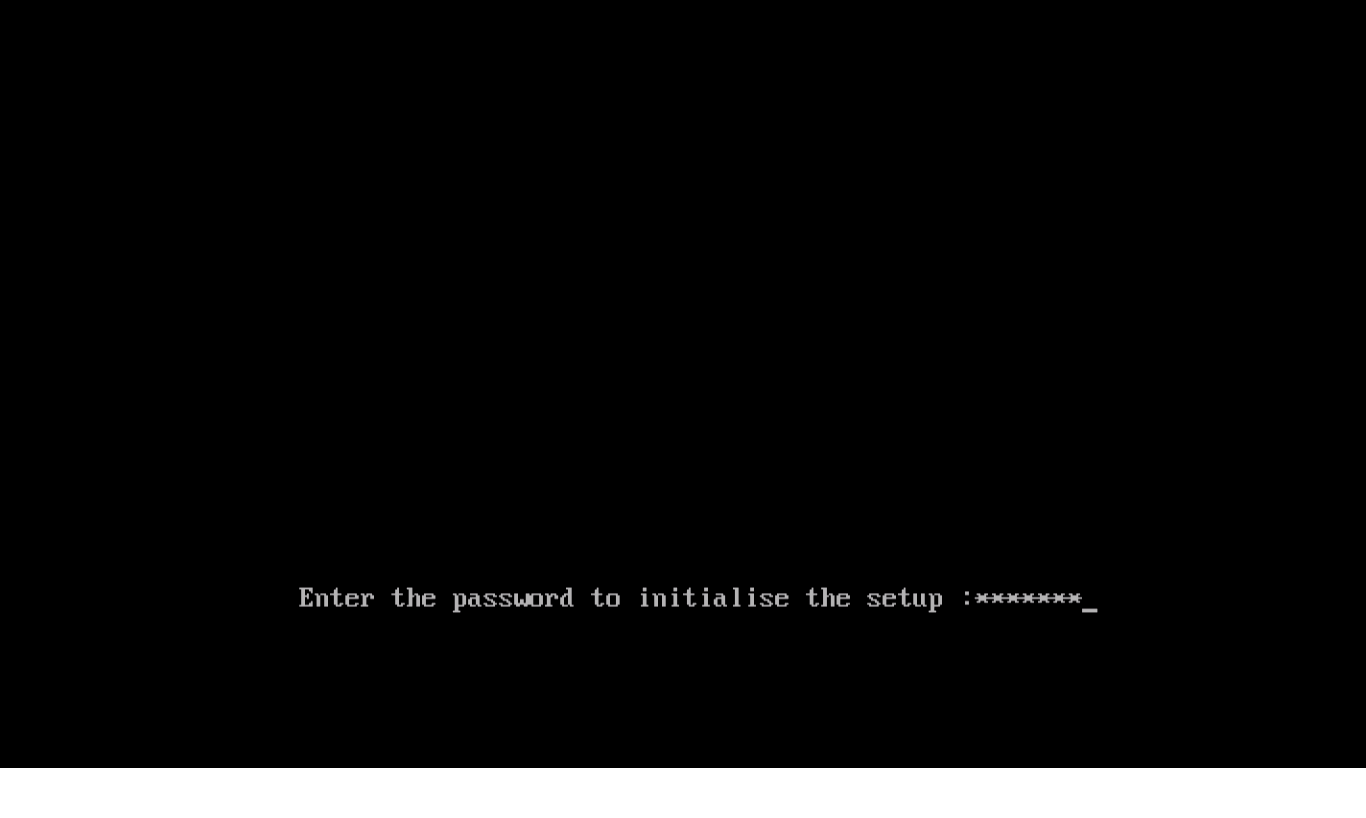
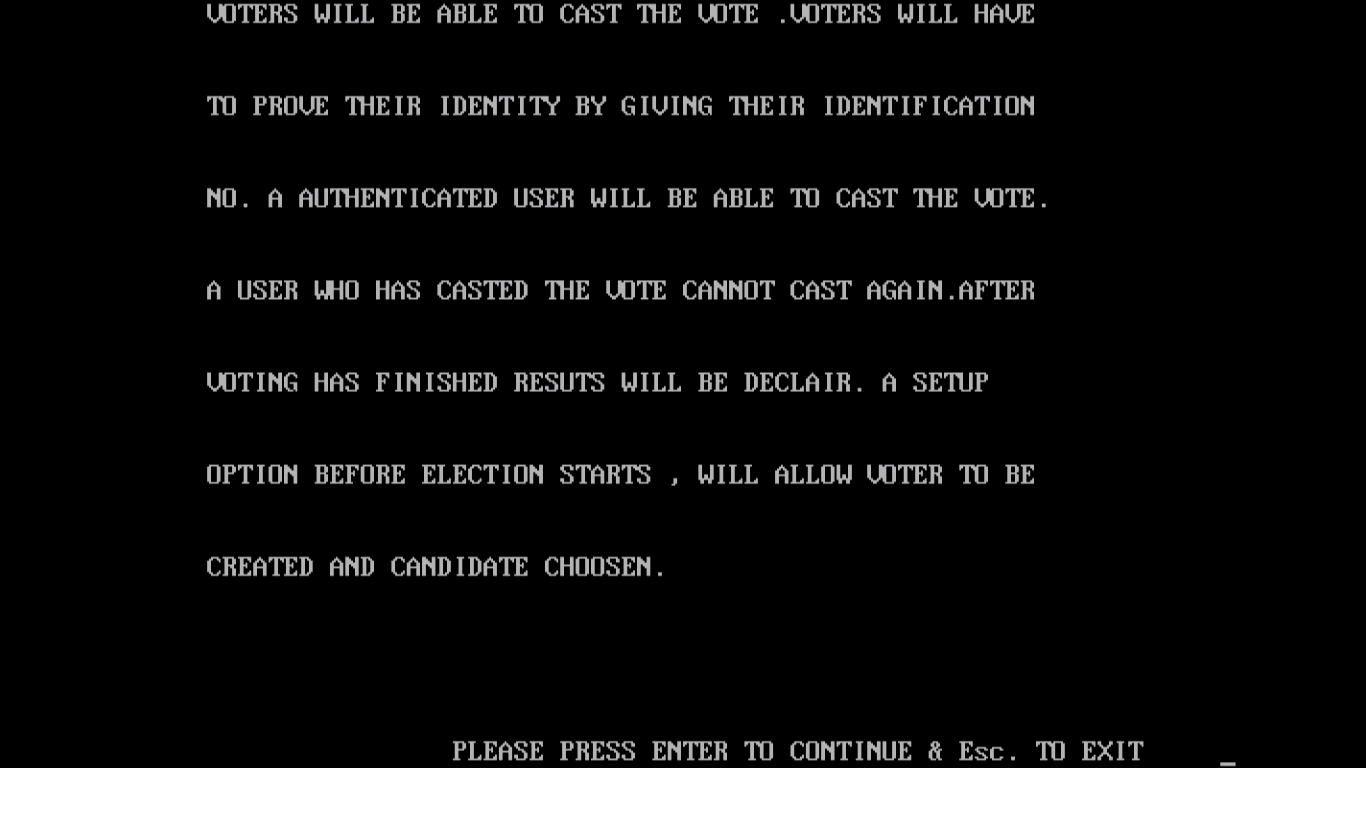
ch = getche();

delete[] vs;

delete[] cs;

}

Output:



Requirements

Processor: Pentium II or higher

Processor speed: 533 MHZ

Hard DISK space: 20GB(min)

Ram Memory: 64 GB(or more)

Operating system: Windows 7/8/8.1/10

Software: turbo c++

Bibliography

* [www.google.com](http://www.google.com)
* [www.wikipedia.com](http://www.wikipedia.com)
* [www.icbse.nic.in](http://www.icbse.nic.in)
* [www.quora.com](http://www.quora.com)
* [www.askme.com](http://www.askme.com)
* [www.c++.com](http://www.c++.com)
* www.msn.com