Problem Statement:

Electronic Voting Machine Using C language

Description:

Basically this project is about casting a vote , counting the votes and declaring the result. This includes welcome page, login page, casting a vote and declaring the result. We created an Electronic Voting Machine, with which one can cast his/her vote from home. The machine asks the user to type the necessary details. As the user detail's database is pre-written, server checks for the details in the database and allows them to cast vote. If you have gone wrong for more than 3 times i.e., you have made mistake in typing the data or entered wrong data more than 3 times, it terminates automatically. That is the biggest advantage of using our machine, with this malpractices can be stopped to an extent. Our EVM also has an admin portal which can be accessed only by the Election commission using a password, with which they can check the number of votes casted to a particular representative.

The EVM that we have designed also displays the Person who has major number of votes (but not no.of vote) when the user wants to know which cannot be done with presently using EVM. This EVM deny if you have logged in more than once and it shows that u have already casted the vote. Any number of users can use the same EVM with different ids as it can be accessed any number of times.

C-concepts used:

*Structures ,linked lists

Syntax:

```
typedef struct voter_info{

char id[10];

char name[20];

char dob[20];

char father_name[20];

 mother_name[20];

struct voter_info *next;

}node;

 node *head;
```

*Functions

 Syntax:

```
void main_menu();

void voter_insert();

void voting();

void admin();

void stop();

void not_again();

void exitt();

void winner();

void show();
```

and some inbuilt functions like strcpy() and strcmp()

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*Control structures(if else)

**Logical operators(and,oR)

And we have also used some basic airthmatic operators

Learning Outcome:

In this project we got to know working of some new functions like

*Sleep();

This function is used in order to wait for a current thread for a specified time.

*System("cls");

This function is used to clear the output screen.

*System("pause");

This is used to pause the program until the user enters the key to see the output.
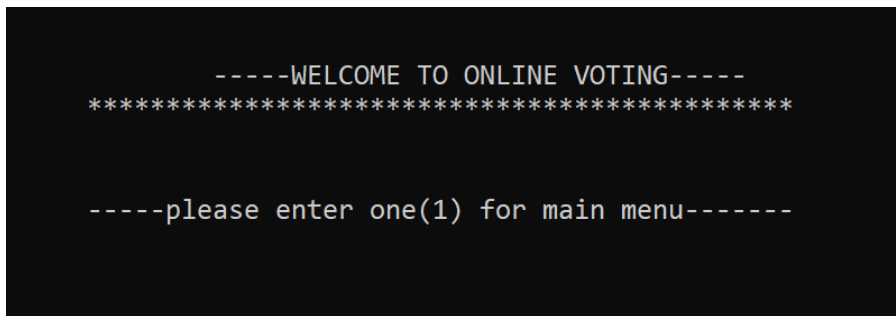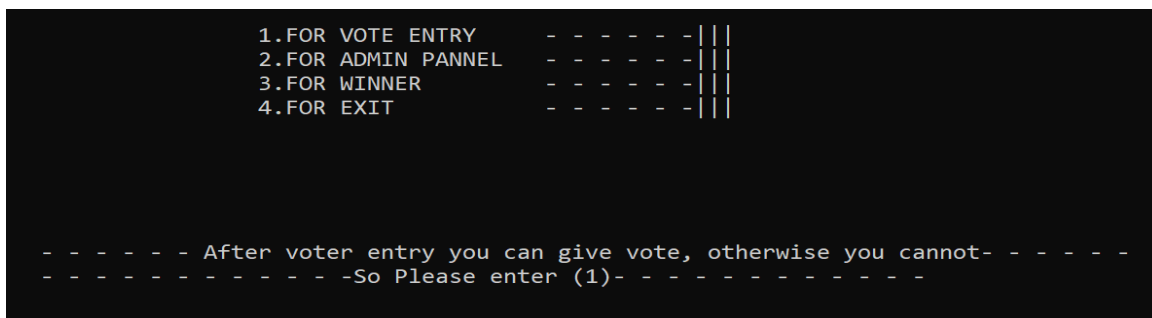
Output Screenshots:

Fig 1: welcome page


```
        -----WELCOME TO ONLINE VOTING-----
******************************************


-----please enter one(1) for main menu-------
```

Fig 2: Main Menu


```
                1.FOR VOTE ENTRY     - - - - - -|||
                2.FOR ADMIN PANNEL   - - - - - -|||
                3.FOR WINNER         - - - - - -|||
                4.FOR EXIT           - - - - - -|||




- - - - - - After voter entry you can give vote, otherwise you cannot- - - - - -
- - - - - - - - - - - -So Please enter (1)- - - - - - - - - - - -
```

Fig 3: Login page


```
        IF NATIONAL ID, YOUR NAME,BIRTH DATE,YOUR FATHER NAME AND YOUR MOTHER NAME MATCH,YOU CAN GIVE VOTE ELSE NO


                IF YOU DO WRONG FOR 3 TIMES THE PROGRAM AUTOMATICALLY TERMINATES



        PLEASE - - - - ,
                        ENTER YOUR NATIONAL ID NUMBER
1000002
                        ENTER YOUR NAME
manu shree
                        ENTER YOUR BIRTH DATE
04-10-2002
                        ENTER YOUR FATHER NAME
guru prasad
                        ENTER YOUR MOTHER NAME
rohini
```
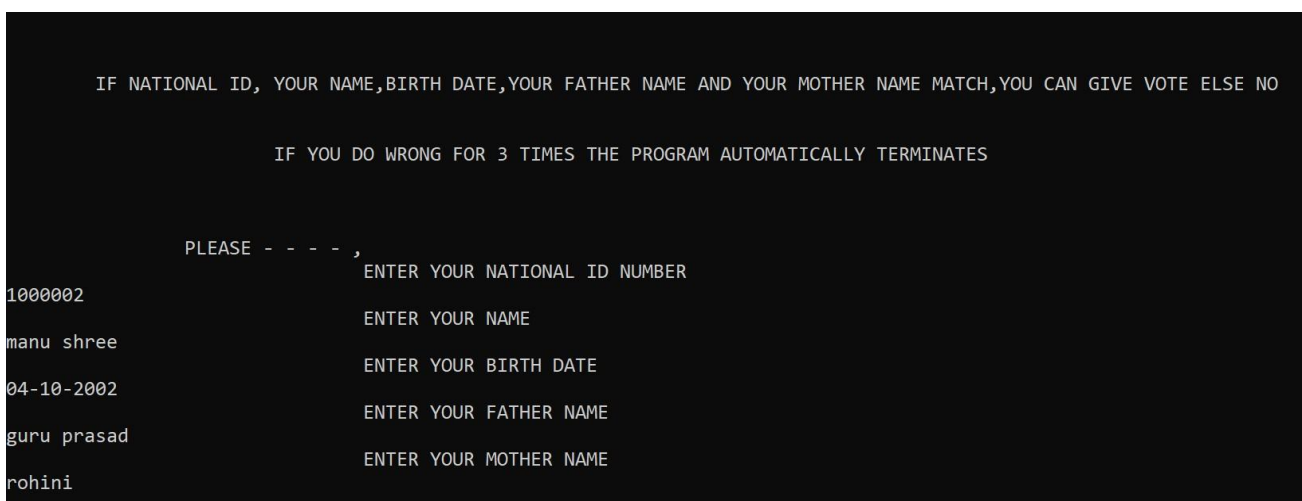
Fig 4: After entering wrong information for 3 times

```
- - - - - - - -(:- SORRY YOU CANNOT VOTE , WRONG ENTRY (3) TIMES

          * * * * * ------------PLEASE TRY AGAIN AFTER A FEW MOMENTS------------* * * * * * *


          * * * * * ------THANK YOU------ * * * * *
```

Fig 5: Casting vote

```
  * * * * * * list if candidates * * * * * *


  NAME - - - - - - - - - - - - - - - - - -SYMBOL

  1. NARENDRA MODI (BJP)              1. Lotus
  2. CHANDRABABU NAIDU (TDP)          2. Axe
  3. SONIA GANDHI (CPI)              3. Hand
  4. MAMTA BENARJEE (AITC)          4. Flower
  5.  SHARAD PAWAR(NCP)             5. Clock
Please enter your choice - - -     3
```

Fig 6: Declaring winner

```
          If you want to see present winner Enter one(1) OR zero(0) for main menu
1
```

```
The present Winner is SONIA GANDHI and she got 1 votes



          Enter one(1) for main menu or zero(0) for exit
```

Fig 7: Exit

```
 - - - - - - - - - - - - - -@ @ @ @ YOU HAVE VOTED SUCCESFULLY @ @ @ @- - - - - - - - - - - - - -
          * * * * * * *~~~~THANK YOU~~~~* * * * * * *
```

Fig 8: Admin pane

```
                    enter password to unlock admin panel
123456
```

```
   How many votes who got


   NARENDRA MODI ----------------0  votes
   CHANDRABABU NAIDU -----------0  votes
   SONIA GANDHI ----------------1  votes
   MAMTA BENARJEE --------------0  votes
   SARDAR PAWAR ----------------0  votes
 Enter one(1) for main menu OR zero(0) for exit
```