C Mini Project: Election System

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Abstract:

Our C mini project is an Election System.

We use string functions, file functions and standard library functions available in the C programming language.

The features in our project include:

Admin login by checking the username and password.

Admin creates the election by entering the number of candidates standing for the election, the name of the candidates and the symbol for each candidate.

Each candidate must enter their voter id and cast their vote.

The voting system is secure since it does not allow the same candidate to vote more than once.

Aim:

We can check the Final Results of the election.

We can check the difference in votes between any two candidates.

Sample Input And Output:

1) Enter Admin username : **Melvin**

2) Enter your password : **123**
Voting Machine
Welcome to The Election
3) Enter the number of candidates participating in the election : 3

for 1 candidate
Enter the Name of the candidate : Pranit
Enter the Symbol of the candidate :$

for 2 candidate
Enter the Name of the candidate :Pai
Enter the Symbol of the candidate :!

for 3 candidate
Enter the Name of the candidate :Maryam
Enter the Symbol of the candidate :%

4) Enter 1 to vote or any other key to exit the poll : 1

5) Enter your voter ID: 12
Cast your vote by selecting the symbol of your representative
1. Pranit ($)
2. Pai (!)
3. Maryam (%)

6) Enter the symbol of your Representative : $
Thank You ! Your vote has been casted.

7) Enter your choice: 3
1. Results
2. Difference between the votes of any two candidates
3. Finish your voting
4. EXIT the Poll

8)Enter your voter ID:13

Cast your vote by selecting the symbol of your representative
1. Pranit ($)
2. Pai (!)
3. Maryam (%)

9) Enter the symbol of your Representative : %
Thank You ! Your vote has been casted.

10) Enter your choice:3
1. Results
2. Difference between the votes of any two candidates
3. Finish your voting
4. EXIT the Poll

11)Enter your voter ID:13

Error!!!! You already casted your vote

12) Enter your choice:1
1. Results
2. Difference between the votes of any two candidates
3. Finish your voting
4. EXIT the Poll

The Result according to votes casted so far is as follows :
Pranit($): 1
Pai(!): 0
Maryam(%): 1

13) Enter your choice:2
1. Results
2. Difference between the votes of any two candidates
3. Finish your voting
4. EXIT the Poll

14) Enter the serial nos. of whose vote count differences are to be known :1 2
1. Pranit ($)
2. Pai (!)
3. Maryam (%)
The difference between Pranit and Pai is 1.

15) Enter your choice:4
1. Results
2. Difference between the votes of any two candidates
3. Finish your voting
4. EXIT the Poll

Candidate: Pranit   Symbol : $ Votes : 1
Candidate: Pai   Symbol : !   Votes : 0
Candidate: Maryam   Symbol : %   Votes : 1