ELECTION VOTING SYSTEM

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Department with Specialization: B-Tech Computer Science and Engineering with Specialization in BIG DATA ANALYTICS

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AIM

This Project main aim is to provide safe and secure voting system environment, where admin can allow the user to vote, and admin declare a result.

ABSTRACT

In this project, we make a voting machine in which we have 4 different option to vote. There is no risk of scam. This election voting system mini project in c design is straightforward and making it easy for users to
The Election Voting System Project is developed using C programming language. This election voting system in c helps the people to cast their votes easily.

ALGORITHIM

STEP-1: Define Object-like MACROs with MACRO name “CANDIDATE 1”.
STEP-2: Define Object-like MACROs with MACRO name “CANDIDATE 2”.
STEP-3: Define Object-like MACROs with MACRO name “CANDIDATE 3”.
STEP-4: Define Object-like MACROs with MACRO name “CANDIDATE 4”.
STEP 5: SET votesCount1 to 0.
STEP 6: SET votesCount2 to 0.
STEP 7: SET votesCount3 to 0.
STEP 8: SET votesCount4 to 0.
STEP 9: SET spoiledvotes to 0.
STEP 10: FUNCTION castVote
STEP 11: DECLARE VARIABLE choice.
STEP 12: PRINT “### Please choose your Candidate ####”
STEP 13: PRINT “1. (Value of MACRO CANDIDATE1)”
STEP 14: PRINT “2. (Value of MACRO CANDIDATE2)”
STEP 15: PRINT “3. (VALUE OF MACRO CANDIDATE3)”
STEP 16: PRINT “4. (VALUE OF MACRO CANDIDATE4)”
STEP 17: PRINT “5. NONE OF THESE”
STEP 18: PRINT “Input your choice (1-5)”
STEP 19: GET value and assign it to variable choice.
STEP 20: STARTCASE-choice
STEP 21: IF value assigned to choice is 1
STEP 22: ADD 1 to votesCount1.
STEP 23: BREAK that is don’t go to rest of cases.
STEP 24: IF value assigned to choice is 2.
STEP 25: ADD 1 to votesCount2.
STEP 26: BREAK that is don’t go to rest of cases.
STEP 27: IF value assigned to choice is 3.
STEP 28: ADD 1 to votesCount3.
STEP 29: BREAK that is don’t go to rest of cases.
STEP 30: IF value assigned to choice is 4.
STEP 31: ADD 1 to votesCount4.
STEP 32: BREAK that is don’t go to rest of cases.
STEP 33: IF value assigned to choice is 5.
STEP 34: ADD 1 to spoiledvotes.
STEP 35: BREAK that is don’t go to rest of cases.
STEP 36: OTHERWISE
STEP 37: PRINT “Error: Wrong Choice!! Please retry”
STEP 38: ENDCASE.
STEP 39: CALL FUNCTION getchar to hold the screen.
STEP 40: PRINT “thanks for vote”
STEP 41: FUNCTION votesCount
STEP 42: PRINT “##### Voting Statics ####”
STEP 43:PRINT“(Value of MACRO CANDIDATE1)-(Value of votesCount1)”
STEP 44:PRINT“(Value of MACRO CANDIDATE2)-(Value of votesCount2)”
STEP 45:PRINT“(Value of MACRO CANDIDATE3)-(Value of votesCount3)”
STEP 46:PRINT“(Value of MACRO CANDIDATE4)-(Value of votesCount4)”

STEP 47: PRINT “(Spoiled Votes) - (Value of spoiledvotes)”
STEP 48: FUNCTION getLeadingCandidate
STEP 49: PRINT “#### Leading Candidate ####”
STEP 50: IF value of votesCount1 is more than values of votesCount2, votesCount3, votesCount4
STEP 51: PRINT “(~~Value of~~ CANDIDATE1)”
STEP 52: IF value of votesCount2 is more than values of votesCount1, votesCount3, votesCount4
STEP 53: PRINT “(Value of CANDIDATE2)”
STEP 54: IF value of votesCount3 is more than values of votesCount2, votesCount1, votesCount4
STEP 55: PRINT “(Value of CANDIDATE3)”
STEP 56: IF value of votesCount4 is more than values of votesCount2, votesCount3, vote~~sCount~~1
STEP 57: PRINT “(Value of CANDIDATE4)”
STEP 58: ELSE
STEP 59: PRINT (“----- Warning!!! No-win situation----”)
STEP 60: START
STEP 61: DECLARE VARIABLE i
STEP 62: DECLARE VARIABLE choice
STEP 63: DO LOOP Starts
STEP 64: PRINT “###### Welcome to Election/Voting 2023 #####”
STEP 65: PRINT “1. Cast the Vote”
STEP 66: PRINT “2. Find Vote Count”
STEP 67: PRINT “3. Find leading Candidate"
STEP 68: PRINT “0. EXIT”
STEP 69: PRINT “Please enter your choice:”
STEP 70: GET value and assign it to VARIABLE choice
STEP 71: STARTCASE- choice
STEP 72: IF value assigned to choice is 1
STEP 73: CALLING FUNCTION castVote
STEP 74: BREAK that is don’t go to rest of cases.
STEP 75: IF value assigned to choice is 2
STEP 75: CALLING FUNCTION votesCount
STEP 76: BREAK that is don’t go to rest of cases.
STEP 77: IF value assigned to choice is 3
STEP 77: CALLING FUNCTION getLeadingCandidate
STEP 78: BREAK that is don’t go to rest of cases.
STEP 79: OTHERWISE
STEP 80: PRINT “Error: Invalid Choice”
STEP 81: ENDCASE.
STEP 82: [DO---] WHILE choice is not 0
STEP 83: CALL getchar to hold the screen
STEP 84: END

SOURCE CODE

```
#include stdio.h>

#define CANDIDATE_COUNT

#define CANDIDATE1 "Rohan"
#define CANDIDATE2 "Rakesh"
#define CANDIDATE3 "Shrundan"
#define CANDIDATE4 "Mohith"

int votesCount1=0, votesCount2=0, votesCount3=0, votesCount4=0, nota=0;

void castVote(){
int choice;
printf("\n\n ### Please choose your Candidate ####\n\n");
printf("\n 1. %s", CANDIDATE1);
printf("\n 2. %s", CANDIDATE2);
printf("\n 3. %s", CANDIDATE3);
printf("\n 4. %s", CANDIDATE4);
printf("\n 5. %s", "None of These");

printf("\n\n Input your choice (1 - 4) : ");
scanf("%d",&choice);

switch(choice){
   case 1: votesCount1++; break;
   case 2: votesCount2++; break;
   case 3: votesCount3++; break;
   case 4: votesCount4++; break;
   case 5: nota++; break;
   default: printf("\n Error: Wrong Choice !! Please retry");
         //hold the screen
         getchar();


 }
printf("\n thanks for vote !!");
}

void votesCount(){
printf("\n\n ##### Voting Statics ####");
printf("\n %s - %d ", CANDIDATE1, votesCount1);
printf("\n %s - %d ", CANDIDATE2, votesCount2);
printf("\n %s - %d ", CANDIDATE3, votesCount3);
printf("\n %s - %d ", CANDIDATE4, votesCount4);
printf("\n %s - %d ", "nota", spoiledtvotes);
}
```

```
void getLeadingCandidate(){
   printf("\n\n  #### Leading Candidate ####\n\n");
   if(votesCount1>votesCount2 && votesCount1>votesCount3 &&
 votesCount1 >votesCount4)
   printf("[%s]",CANDIDATE1);
   else if (votesCount2>votesCount3 && votesCount2>votesCount4 &&
 votesCount2 >votesCount1)
   printf("[%s]",CANDIDATE2);
   else if(votesCount3>votesCount4 && votesCount3>votesCount2 &&
votesCount3 >votesCount1)
   printf("[%s]",CANDIDATE3);
   else if(votesCount4>votesCount1 && votesCount4>votesCount2 &&
votesCount4 >votesCount3)
   printf("[%s]",CANDIDATE4);
   else
   printf("----- Warning !!! No-win situation----");



}

int main()
{
int i;
int choice;

do{
printf("\n\n ###### Welcome to Election/Voting 2019 #####");
printf("\n\n 1. Cast the Vote");
printf("\n 2. Find Vote Count");
printf("\n 3. Find leading Candidate");
printf("\n 4. Exit");

printf("\n\n Please enter your choice : ");
scanf("%d", &choice);

 switch(choice)
{
case 1: castVote();break;
case 2: votesCount();break;
case 3: getLeadingCandidate();break;
 default: printf("\n Thanks for Voting");


 }
```

```
}while(choice!=0);

//hold the screen
getchar();

return 0;
}
```

OUTPUT

1. Main screen:

```
###### Welcome to Election/Voting 2019 #####

1. Cast the Vote
2. Find Vote Count
3. Find leading Candidate
4. Exit

Please enter your choice :
```

2. After Cast the Vote:

```
### Please choose your Candidate ####


1. Rohan
2. Shrundan
3. Rakesh
4. Mohith
5. None of These

Input your choice (1 - 4) :
```

3. Input your choice:

```
Input your choice (1 - 4) : 1

thanks for vote !!
```

4. Find vote count:

```
##### Voting Statics ####
Rohan - 1
Shrundan - 0
Rakesh - 0
Mohith - 0
nota - 0
```

5. Leading Candiate:

```
  #### Leading Candiate ####

[Rohan]
```

6. Exit:

```
Thanks for Voting
```

RESULT

Our project election voting system provides an easy way for caste their votes. With this Voting System we can give a user a safe and good Voting environment without any scam in count of vote.