FP PROJECT CODE

***TOPIC NAME:- VOTING MACHINE SYSTEM***

***CODE:-***

#include<stdio.h>

#include<windows.h>

#include<conio.h>

#define CANDIDATE\_COUNT

#define CANDIDATE1 "Prasad Nathe"

#define CANDIDATE2 "Siddhesh Khairnar"

#define CANDIDATE3 "Rutuja Jadhav"

#define CANDIDATE4 "Sahil Savardekar"

#define CANDIDATE5 "Yash Gavit"

int votesCount1=0, votesCount2=0, votesCount3=0, votesCount4=0,votesCount5=0, spoiledtvotes=0;

void castVote(){

int choice;

printf("\n\n ### Please choose your Candidate ####\n\n");

Beep(300,1000);

Beep(400,1120);

printf("\n 1. %s", CANDIDATE1);

printf("\n 2. %s", CANDIDATE2);

printf("\n 3. %s", CANDIDATE3);

printf("\n 4. %s", CANDIDATE4);

printf("\n 5. %s", CANDIDATE5);

printf("\n 6. %s", "None of These");

printf("\n\n Input your choice (1 - 6) : ");

scanf("%d",&choice);

switch(choice){

    case 1: votesCount1++; break;

    case 2: votesCount2++; break;

    case 3: votesCount3++; break;

    case 4: votesCount4++; break;

    case 5: votesCount5++; break;

    case 6: spoiledtvotes++; 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 ", CANDIDATE5, votesCount5);

printf("\n %s - %d ", "Spoiled Votes", spoiledtvotes);

}

void getLeadingCandidate(){

    printf("\n\n  #### Leading Candiate ####\n\n");

    if(votesCount1>votesCount2 && votesCount1>votesCount3 && votesCount1 >votesCount4 && votesCount1 >votesCount5)

    printf("[%s]",CANDIDATE1);

    else if (votesCount2>votesCount3 && votesCount2>votesCount4 && votesCount2 >votesCount1 && votesCount2 >votesCount5)

    printf("[%s]",CANDIDATE2);

    else if(votesCount3>votesCount4 && votesCount3>votesCount2 && votesCount3 >votesCount1 && votesCount3 >votesCount5)

    printf("[%s]",CANDIDATE3);

    else if(votesCount4>votesCount1 && votesCount4>votesCount2 && votesCount4 >votesCount3 && votesCount4 >votesCount5)

    printf("[%s]",CANDIDATE4);

    else if(votesCount5>votesCount1 && votesCount5>votesCount2 && votesCount5 >votesCount3 && votesCount5 >votesCount4)

    printf("[%s]",CANDIDATE5);

    else

    printf("----- Warning !!! No-win situation----")

}

int main()

{

int i;

int choice;

do{

printf("\n\n ###### Welcome to Election/Voting 2022 #####");

printf("\n\n 1. Cast the Vote");

printf("\n 2. Find Vote Count");

printf("\n 3. Find leading Candidate");

printf("\n 0. 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 Exit");

}

}while(choice!=0);

//hold the screen

getchar();

return 0;

}