#include<stdio.h>

#define CANDIDATE\_COUNT

#define CANDIDATE1 "David Hull"

#define CANDIDATE2 "Kristin Canella"

#define CANDIDATE3 "Jim Brar"

#define CANDIDATE4 "Donald Truimph"

int votesCount1=0, votesCount2=0, votesCount3=0, votesCount4=0, spoiledtvotes=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: 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 ", "Spoiled Votes", spoiledtvotes);

}

void getLeadingCandidate(){

printf("\n\n #### Leading Candiate ####\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 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 Error: Invalid Choice");

}

}while(choice!=0);

//hold the screen

getchar();

return 0;

}