**ATM**

An automated teller machine (ATM) is an electronic banking outlet that allows customers to complete basic transactions without the aid of a branch representative or teller. Anyone with a credit card or debit card can access cash at most ATMs, either in the U.S. or other countries.

ATMs are convenient, allowing consumers to perform quick self-service transactions such as deposits, cash withdrawals, bill payments , and transfers between accounts.

**PROGRAM OF ATM**

**ELECTION COUNTING MACHINE**

A voting machine is a machine used to record votes in an election without paper. It can either aid or take care of the chores of casting and counting votes. An EVM (Electronic Voting Machine) is designed with two units: the control unit and the balloting unit. These units are joined together by a cable.

In India, Electronic Voting Machines (EVMs) have fundamentally altered the process of vote counting. Unlike ballot papers, EVMs do not necessitate a counting supervisor or assistant to individually tally all ballot papers. Rather, the machines themselves provide a tallied number of votes lodged on them.

**ELECTION COUNTING MACHINE PROGRAM**

#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 ", CANDIDATE1, votesCount2);

printf("\n %s - %d ", CANDIDATE1, votesCount3);

printf("\n %s - %d ", CANDIDATE1, 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;

}

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