VOTING

SYSTEM

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SECTION : AY

ROLL NO : 15

```c
#include <stdio.h>
int main()
{
        while (1){
        printf(" \t\t\t\t\t\twelcome to the voting portal\t\t\t\t\t");
        int year,month,day,num,p;
        char a,b;
        printf("\n\n\n enter your name:- ");
        scanf("%s %s",&a,&b);
        printf("\n enter your birth year:- ");
        scanf("%d",&year);
        if(year>2023){printf("please cheack your year.");}
        else{
           int age=2023-year;
                if(age<18){printf(" You are not eligible for voting.");}
                else {    printf("\n enter your VOTING CARD no:- ");
                scanf("%d",&num);
                printf("Select the party you want to caste your vote.\nFor B.J.P. type 1\nFor Congress
type 2\nFor A.A.P. type 3\nFor B.S.P. type 4\nFor S.P. type 5");
                printf("\n Enter your choice here:- ");
                scanf("%d",&p);
                if(p==1|| p==2|| p==3 || p==4 || p==5)
                {
                printf("\n\t\t\t Thank you %s %s to give your  vote",a,b);


        }
        else{printf("enter the valid choice");}
        }
```

```
    }
  }
  return 0;
}
```

VOTING SYSTEM UPDATED VERSION

```c
#include <stdio.h>

#include <string.h>


#define MAX_VOTERS 10

#define MAX_CANDIDATES 13

#define MIN_AGE 18

struct Voter {

  char name[100];

  int age;

  char Aadhar_Card_Number[13];

  char gender[10];

};


struct Candidate {

  char name[100];

  int votes;

};


int Is_Valid_Aadhaar_Card_Number(char* Aadhar_Card_Number) {

 if (strlen(Aadhar_Card_Number) != 12) {

   return 0;

 }


 for (int i = 0; i < strlen(Aadhar_Card_Number); i++) {

  if (Aadhar_Card_Number[i] < '0' || Aadhar_Card_Number[i] > '9') {
```

```c
        return 0;
      }
    }

    return 1;
}

int Is_Valid_Gender(char* gender) {
    if (strcmp(gender, "male") == 0 || strcmp(gender, "female") == 0) {
        return 1;
    }

    return 0;
}

int main() {
    struct Voter voters[MAX_VOTERS];
    struct Candidate candidates[MAX_CANDIDATES] = {0};
    int i, j, choice;

    for (i = 0; i < MAX_CANDIDATES; i++) {
        sprintf(candidates[i].name, "Candidate %d", i + 1);
    }

    for (i = 0; i < MAX_VOTERS; i++) {
        printf("Enter your name: ");
        scanf("%s", voters[i].name);
        printf("Enter your age: ");
        scanf("%d", &voters[i].age);
```

```c
do {
  printf("Enter your Aadhaar card number: ");
  scanf("%s", voters[i].Aadhar_Card_Number);
} while (!Is_Valid_Aadhaar_Card_Number(voters[i].Aadhar_Card_Number));


do {
  printf("Enter your gender (male/female): ");
  scanf("%s", voters[i].gender);
} while (!Is_Valid_Gender(voters[i].gender));


if (voters[i].age < MIN_AGE) {
  printf("Sorry, you are not eligible to vote.\n");
  continue;
}


printf("Candidates:\n");
for (j = 0; j < MAX_CANDIDATES; j++) {
  printf("%d. %s\n", j + 1, candidates[j].name);
}


printf("Enter the number of the candidate you want to vote for: ");
scanf("%d", &choice);


if (choice < 1 || choice > MAX_CANDIDATES) {
  printf("Invalid choice.\n");
  continue;
}
```

```c
        candidates[choice - 1].votes++;

    }


    int Max_Votes = 0;

    int winner = 0;

    for (i = 0; i < MAX_CANDIDATES; i++) {

      if (candidates[i].votes > Max_Votes) {

        Max_Votes = candidates[i].votes;

        winner = i;

      }

    }


    printf("The winner is %s with %d votes.\n", candidates[winner].name, Max_Votes);


    return 0;

}
```