

```
#include<stdio.h>
```

```
int N,votes=0,students;
```

```
/*
```

```
    N    : Number of Candidates
```

```
    students : Number of students voting
```

```
*/
```

```
// ForVote : voting + return winner
```

```
void print(char candidate[N][20],int count[N]){
```

```
    int k;
```

```
    for(k=0;k<N;++k){
```

```
        printf("\n\t| %10s    |    %2d    |",candidate[k],count[k]);
```

```
    }
```

```
    printf(" \n\t_____ \n");
```

```
}
```

```
void Give_Vote(char candidate[N][20],int count[N]){
```

```
    int i,choice;
```

```
    // choices
```

```
        printf(" \n There are options to choose your favourite candidate to make CR\n");
```

```
        for(i=0;i<N;i++){
```

```
            printf("\t %d : %s \n",i,candidate[i]); // 0 : Candidates_name
```

```
        }
```

```
        printf(" \n Enter Your Choice From ( 0 - %d ): \n",N-1);
```

```
        scanf("%d",&choice);
```

```

        count[choice]+=1;
    }

// For Result
int result(int count[N]){
    int cnt=0;

    int i,person;
    for(i=0;i<N;i++){
        if(votes < count[i]){
            votes = count[i];
            person = i;
        }
        /*else if(votes==count[i]){
            return -1;
        }*/      //miantainance
    }
    int j;
//    printf("_____ %d _____",votes);
    for(j=0;j<N;j++){
        if(votes == count[j]){
            cnt+=1;
        }
    }
//    printf("_____ %d _____",cnt);
    if(cnt==1){
        return person;
    }
    else{
        return -1;
    }
}

```

```
//return person;  
}
```

```
int main(){  
    printf("Number Of Candidates : ");  
    scanf("%d",&N);  
    printf("Count Of Students who can Vote :");  
    scanf("%d",&students);  
  
    int i,j,winner,vid,vid1;  
    //those are voting  
    int voting[students]; // cheack wheather a student can vote or not { 0 : Yes , 1 : No }  
    //count for those are standing  
    int count[N];  
  
    char candidate[N][20]; // Array of Candidates Name  
    printf("Candidates Name : \n");  
    for(i=0;i<N;i++){  
        scanf("%s",&candidate[i][0]);  
    }  
  
    for(i=0;i<students;i++) voting[i]=0;  
    for(i=0;i<N;i++) count[i]=0;  
  
    int ch;  
    do{  
        printf("\n Enter Your Voter ID Number (1 - %d):",students);
```

```
scanf("%d",&vid1);
```

```
vid=vid1-1;
```

```
if(voting[vid]==0){
```

```
    Give_Vote(candidate,count);
```

```
    voting[vid]=1;
```

```
}
```

```
else{
```

```
    printf("\n Already have voted..!");
```

```
}
```

```
printf("\n Wish To Continue ( 0 : NO , 1 : YES ) :");
```

```
scanf("%d",&ch);
```

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

```
winner=result(count);
```

```
//if thier is a draw result will return -1 as a value
```

```
if(winner == -1){
```

```
    printf("draw \n");
```

```
    printf("\n\n\t CANDIDATE    |    RESPECTIVE VOTE\n");
```

```
    printf("\t_____ \n");
```

```
    print(candidate,count);
```

```
}
```

```
// if there is only 1 winner and no draw
```

```
else{  
    printf(" Winner : %s \n Total_votes : %d",candidate[winner],votes);  
    printf("\n\n\t CANDIDATE    |    RESPECTIVE VOTE\n");  
    printf("\t_____ \n");  
    print(candidate,count);  
  
}  
  
}
```