



End-Term Assignment

Weekly Lab Question Programs

Submitted By:-

Pranshu Chauhan

B.Tech-CSE

Section:- AY-1

Class Roll No:- 37

Submitted To:-

Miss Gurpreet

Kaur Ma'am

Election Voting Machine Project By: -

Pranshu Chauhan

B-Tech CSE

Section: - AY 1

Class Roll No: - 37

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

```
#include <string.h>
```

```
int main() {
```

```
    int BJPpartyVotes = 0, CongresspartyVotes = 0, AAPpartyVotes = 0;
```

```
    int numVoters, i, gender, age, choice;
```

```
    char title[4], name[50];
```

```
    int voteAgain = 1;
```

```
    printf("Welcome to the Election Voting Machine\n");
```

```
    printf("Please provide the following details:\n");
```

```
    printf("Enter the number of voters: ");
```

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

```
    do {
```

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

```
            printf("\nVoter %d details:\n", i + 1);
```

```
            printf("Gender (1 for Male, 2 for Female): ");
```

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

```
            printf("Title (Mr./Mrs.): ");
```

```
            scanf("%s", title);
```

```
printf("Name: ");  
scanf("%s", name);
```

```
printf("Age: ");  
scanf("%d", &age);
```

```
if (age < 18) {  
    printf("You are not eligible to vote. Minimum voting age is 18.\n");  
    continue;  
}
```

```
do {  
    printf("Choose the party to vote for:\n");  
    printf("1. BJP Party\n");  
    printf("2. Congress Party\n");  
    printf("3. AAP Party\n");  
    printf("Enter your choice (1/2/3): ");  
    scanf("%d", &choice);
```

```
switch (choice) {  
    case 1:  
        printf("Thank you for voting for BJP Party!\n");  
        BJPpartyVotes++;  
        break;  
    case 2:  
        printf("Thank you for voting for Congress Party!\n");  
        CongresspartyVotes++;  
        break;
```

```

        case 3:
            printf("Thank you for voting for AAP Party!\n");
            AAPpartyVotes++;
            break;
        default:
            printf("Invalid choice! Please select a valid option.\n");
            continue;
    }

    printf("\nCurrent Votes:\n");
    printf("BJP Party : %d\n", BJPpartyVotes);
    printf("Congress Party : %d\n", CongresspartyVotes);
    printf("AAP Party : %d\n", AAPpartyVotes);

    printf("Do you want to vote again? (1 for Yes / 0 for No): ");
    scanf("%d", &voteAgain);
    } while (voteAgain != 0);
}

printf("Voting for all voters has been completed.\n");
printf("Do you want to run the election again? (1 for Yes / 0 for No): ");
scanf("%d", &voteAgain);
} while (voteAgain != 0);

if (BJPpartyVotes > CongresspartyVotes && BJPpartyVotes > AAPpartyVotes) {
    printf("BJP Party wins the election!\n");
} else if (CongresspartyVotes > BJPpartyVotes && CongresspartyVotes > AAPpartyVotes) {
    printf("Congress Party wins the election!\n");
} else if (AAPpartyVotes > BJPpartyVotes && AAPpartyVotes > CongresspartyVotes) {
    printf("AAP Party wins the election!\n");
} else {

```

```
    printf("It's a tie!\n");  
}  
  
return 0;  
}
```