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#include <stdio.h>

#include <string.h>

int main() {
    char candidate_name[50];
    char candidate_gender[10];
    int candidate_age;
    int num_of_parties = 5;
    char parties[][2] = {"A", "B", "C", "D", "E"};
    char parties_name[num_of_parties][2];
    int parties_count[num_of_parties];

    for (int i = 0; i < num_of_parties; i++) {
        strcpy(parties_name[i], parties[i]);
        parties_count[i] = 0;
    }

    while (1) {

        printf("\nEnter candidate's name : ");
        scanf("%s", candidate_name);

        printf("Enter candidate's gender (male/female) : ");
        scanf("%s", candidate_gender);

        printf("Enter candidate's age : ");
        scanf("%d", &candidate_age);

        printf("\nCANDIDATE'S DETAILS : \n");
        if (strcmp(candidate_gender, "male") == 0) {
            printf("Name : Mr. %s\n", candidate_name);
        }
    }
}
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else if (strcmp(candidate_gender, "female") == 0) {
    printf("Name : Ms. %s\n", candidate_name);
}
else {
    printf("Invalid gender entered.\n");
    continue;
}
printf("Age : %d\n\n", candidate_age);

if (candidate_age < 18) {
    printf("Sorry, %s %s,\nyou are not eligible for voting.\n", (strcmp(candidate_gender, "male")
== 0) ? "Mr." : "Ms.", candidate_name);
}
else {
    printf("Welcome, %s %s,\nyou are eligible for voting.\n\n", (strcmp(candidate_gender, "male")
== 0) ? "Mr." : "Ms.", candidate_name);
    printf("PARTIES LIST :\n");

    for (int i = 0; i < num_of_parties; i++) {
        printf("%d. %s\n", i + 1, parties[i]);
    }

    printf("\nVote from above provided list of parties (enter name) : ");
    char user_input[2];
    scanf("%s", user_input);

    int party_index = -1;
    for (int i = 0; i < num_of_parties; i++) {
        if (strcmp(user_input, parties[i]) == 0) {
            party_index = i;
            break;
        }
    }
}

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        if (party_index != -1) {
            parties_count[party_index]++;
            printf("Vote for %s recorded, Total count : %d\n", parties_name[party_index],
parties_count[party_index]);
        }
        else {
            printf("Invalid party name. Please enter a valid party name : \n");
        }

    }

    printf("\nFinal Vote Counts For Each Party : \n");
    for (int i = 0; i < num_of_parties; i++) {
        printf("%s: %d votes\n", parties_name[i], parties_count[i]);
    }

    printf("If you wish to continue voting type, 'yes'. If you want to end voting, type 'exit' : ");
    scanf("%s", candidate_name);

    if (strcmp(candidate_name, "exit") == 0) {
        break;
    }
}
return 0;
}
//Written by Adarsh Kumar Kushwaha

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