#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);

}

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;

}

}

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;

}