N.B.K.R INSTITUTE OF SCIENCE AND TECHNOLOGY

## Vidyanagar, Tirupathi Dist

# Tittle: Voting System In C

# Team No: 13

## 

## Team members:

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## Course: Data Structures

## Department: CSE

## Date: 29 – 04 - 25

Source Code:

#include <stdio.h>

#include <string.h>

#define MAX\_CANDIDATES 5

char candidates[MAX\_CANDIDATES][20] = {"candidate 1", "candidate 2", "candidate 3", "candidate 4", "candidate 5"};

int votes[MAX\_CANDIDATES] = {0};

void castVote() {

int choice;

int i;

printf("\n---------- Voting Menu ----------\n");

for (i = 0; i < MAX\_CANDIDATES; i++) {

printf("%d. %s\n", i + 1, candidates[i]);

}

printf("Enter your choice (1-5): ");

scanf("%d", &choice);

if (choice >= 1 && choice <= MAX\_CANDIDATES) {

votes[choice - 1]++;

printf("Vote casted to %s!\n", candidates[choice - 1]);

} else {

printf("Invalid choice. Vote not counted.\n");

}

}

void showResults() {

int i;

printf("\n---------- Voting Results ----------\n");

for (i = 0; i < MAX\_CANDIDATES; i++) {

printf("%s: %d votes\n", candidates[i], votes[i]);

}

int maxVotes = votes[0];

int winnerIndex = 0;

for (i = 1; i < MAX\_CANDIDATES; i++) {

if (votes[i] > maxVotes) {

maxVotes = votes[i];

winnerIndex = i;

}

}

printf("\n>>> %s has won the election with %d votes! <<<\n", candidates[winnerIndex], maxVotes);

}

int main()

{

char password[20];

int option;

char adminPass[] = "admin123";

char loginPass[] = "12345";

printf("Enter system password to activate EVM: ");

scanf("%s", password);

if (strcmp(password, loginPass) != 0) {

printf("Access Denied! Wrong password.\n");

return 0;

}

while (1) {

printf("\n\n---------- Voting System Menu ----------\n");

printf("1. Vote\n");

printf("2. Admin Login (View Results)\n");

printf("3. Exit\n");

printf("Enter your option: ");

scanf("%d", &option);

switch (option) {

case 1:

castVote();

break;

case 2: {

char adminInput[20];

printf("Enter admin password: ");

scanf("%s", adminInput);

if (strcmp(adminInput, adminPass) == 0) {

showResults();

} else {

printf("Wrong admin password! Access denied.\n");

}

break;

}

case 3:

printf("Thank you for using the voting system!\n");

return 0;

default:

printf("Invalid option. Try again.\n");

}

}

return 0;

}

Output:



