Tittle: Voting System

[source code word documentation]

Team No: 13

Subject: DSA Project Assignment

Team members:

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C Source Code:

#include <stdio.h>

#include <string.h>

#define PASSWORD "12345"

int main() {

int votes[5] = {0};

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

char password[20];

int choice, i, voting = 1;

printf("Enter password to access voting system: ");

scanf("%s", password);

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

printf("Incorrect password. Access denied.\n");

return 0;

}

while (voting) {

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

printf("Please vote for your candidate:\n");

for (i = 0; i < 5; i++) {

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

}

printf("6. Show Results\n");

printf("7. Exit\n");

printf("Enter your choice (1-7): ");

scanf("%d", &choice);

if (choice >= 1 && choice <= 5) {

votes[choice - 1]++;

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

} else if (choice == 6) {

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

for (i = 0; i < 5; i++) {

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

}

} else if (choice == 7) {

voting = 0;

printf("Exiting the voting system. Goodbye!\n");

} else {

printf("Invalid choice. Please try again.\n");

}

}

return 0;

}

Output:

Enter password to access voting system: 12345

---------- Voting System ----------

Please vote for your candidate:

1. candidate 1

2. candidate 2

3. candidate 3

4. candidate 4

5. candidate 5

6. Show Results

7. Exit

Enter your choice (1-7): 5

Thank you for voting!

---------- Voting System ----------

Please vote for your candidate:

1. candidate 1

2. candidate 2

3. candidate 3

4. candidate 4

5. candidate 5

6. Show Results

7. Exit

Enter your choice (1-7): 6

---------- Voting Results ----------

candidate 1: 0 votes

candidate 2: 0 votes

candidate 3: 0 votes

candidate 4: 0 votes

candidate 5: 1 votes

---------- Voting System ----------

Please vote for your candidate:

1. candidate 1

2. candidate 2

3. candidate 3

4. candidate 4

5. candidate 5

6. Show Results

7. Exit

Enter your choice (1-7): 7

Exiting the voting system. Goodbye!

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Process exited after 13.9 seconds with return value 0

Press any key to continue . . .