Title: Election System

Aim: To create a voting system using the concepts learnt in C language.

Abstract: Digital voting system is one of the easy process to vote. In this process, the user must enter the number of people voting. Then the first person to vote must enter their age. If it is below 18, the process ends saying the person is not eligible to vote. Else the person is asked to enter his/her name and then voterid. Then the list of candidates participating is displayed and the person is asked to vote candidate from the list. The process continues in the same for the rest of the people voting. For each person completing the process the total votes per candidate till then is displayed.

Technologies used: C programming language, Codeblocks code editor, Windows 10 operating system.

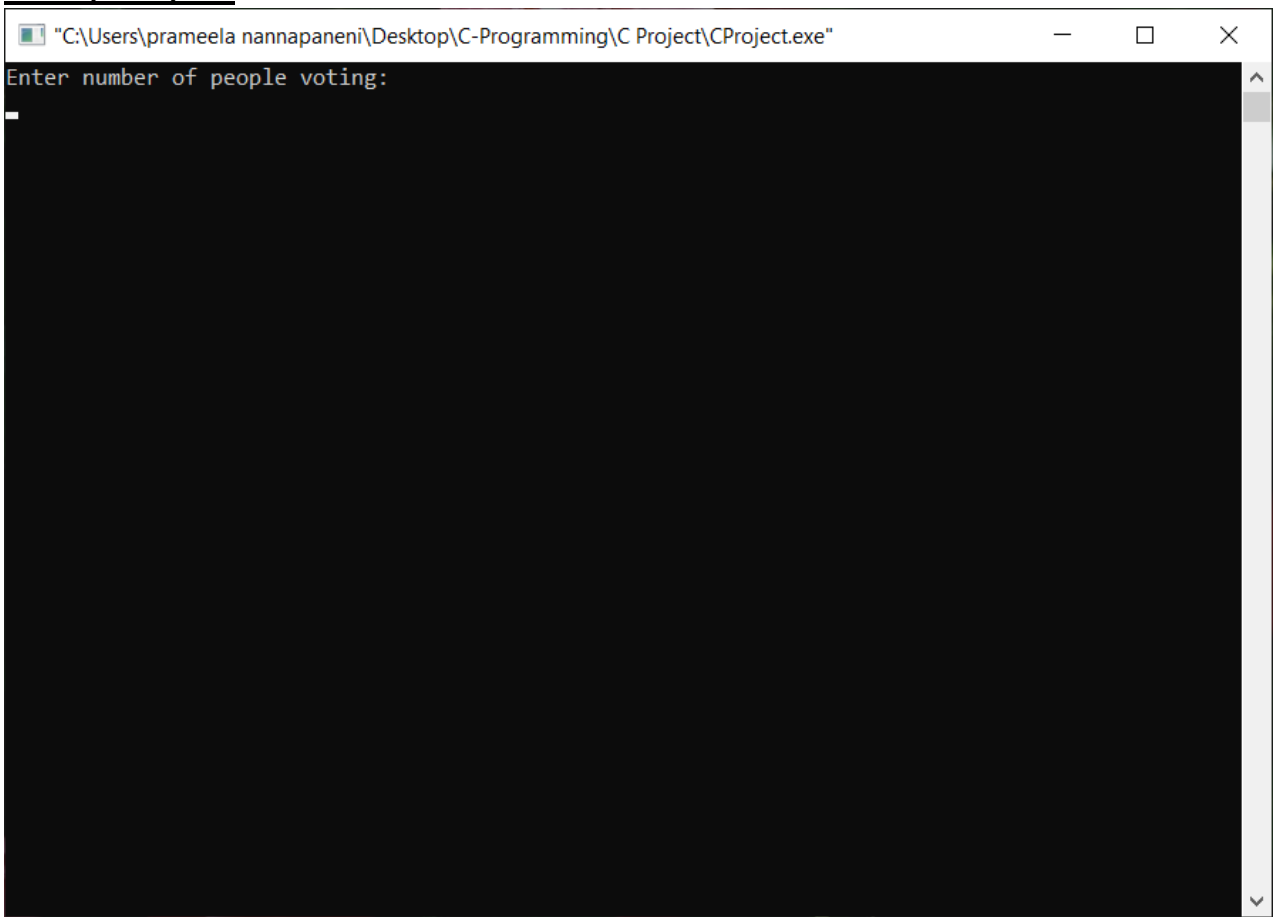
Sample scenario: The project begins with taking the required details from the user. Based on the values, the output is given.

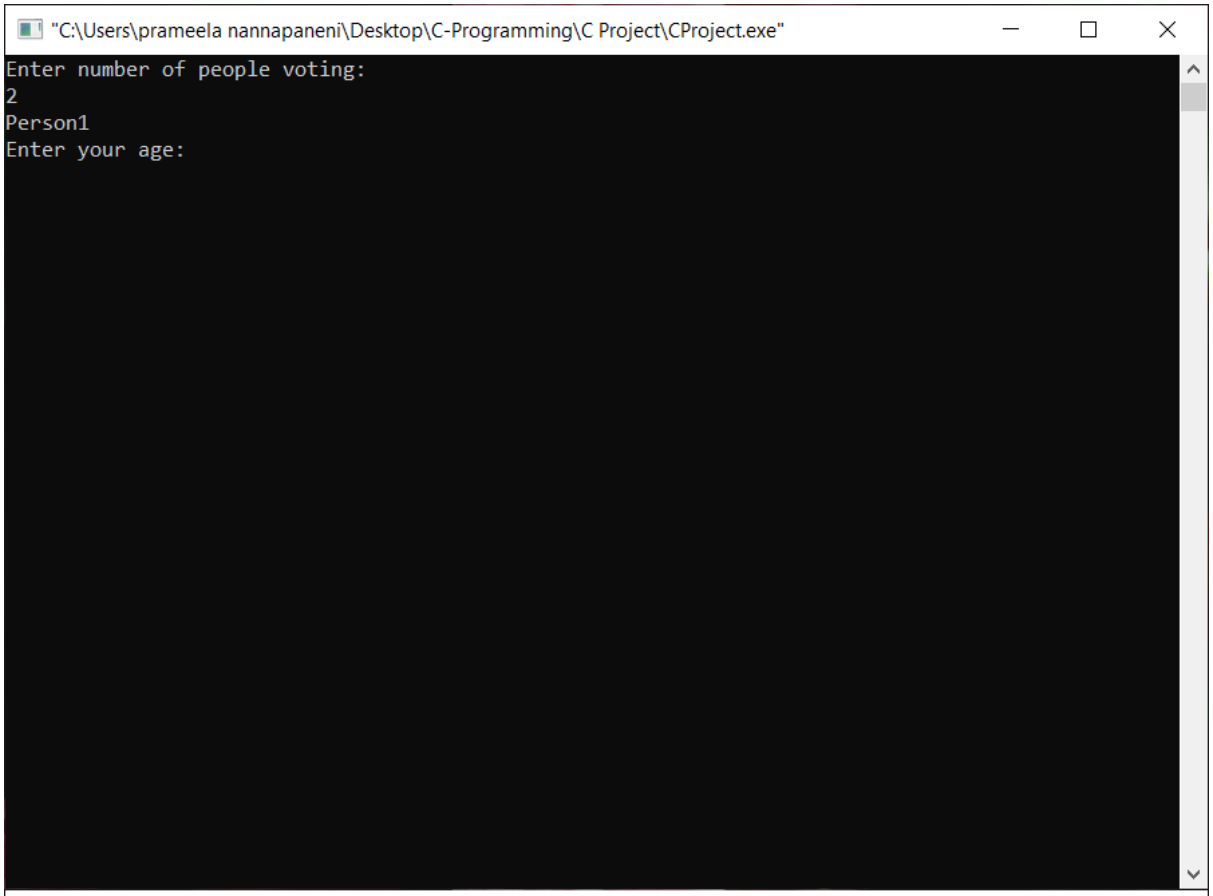
Assumptions taken: Large database, Graphical user Interface, C programming language, Windows 10 OS, Codeblocks code editor, Input is taken from scanf(); and printf(); is used to give instructions and Output is provided by printf(); function.

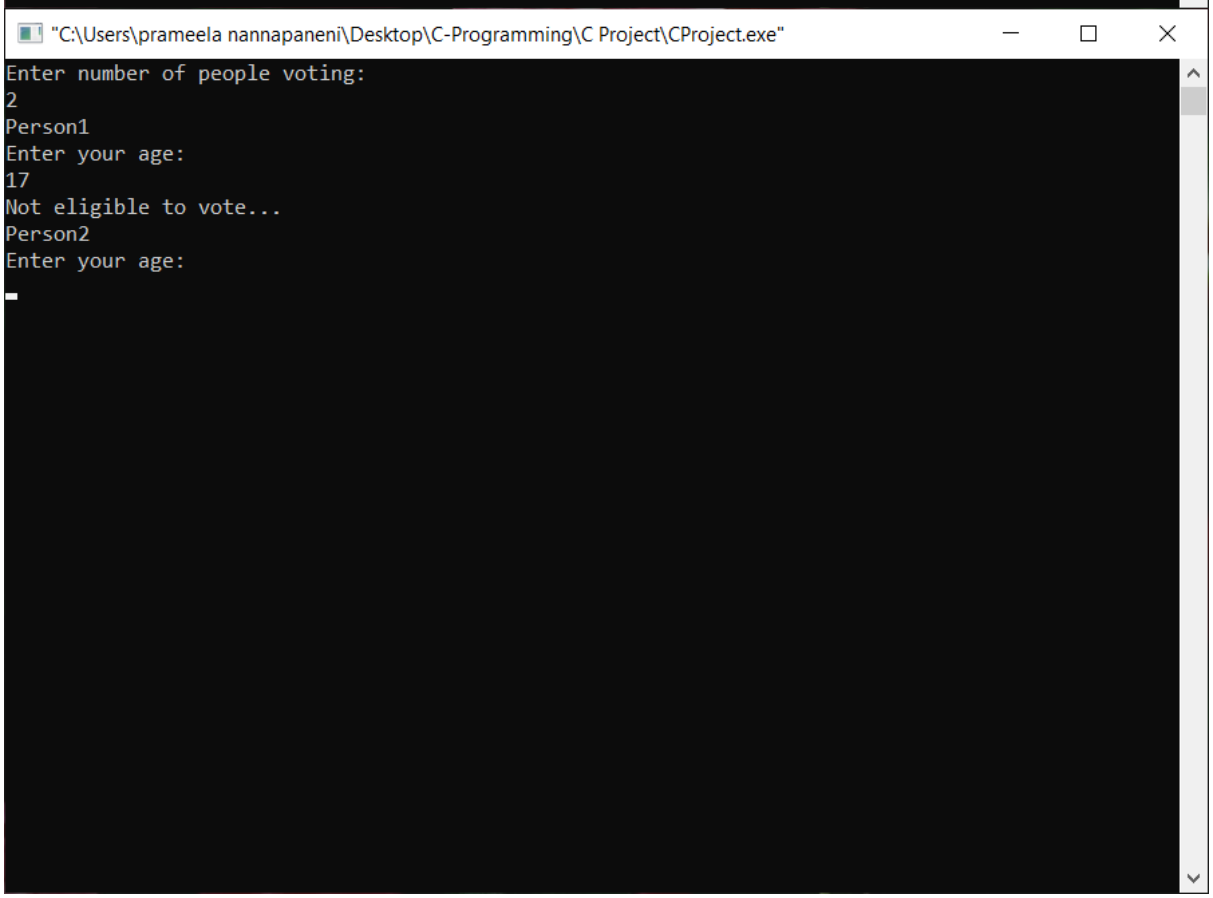
Details handled: The process begins from main() function. For each person the process is repeated using for loop. Structure person is declared before main() containing name and voterid. Structure is called

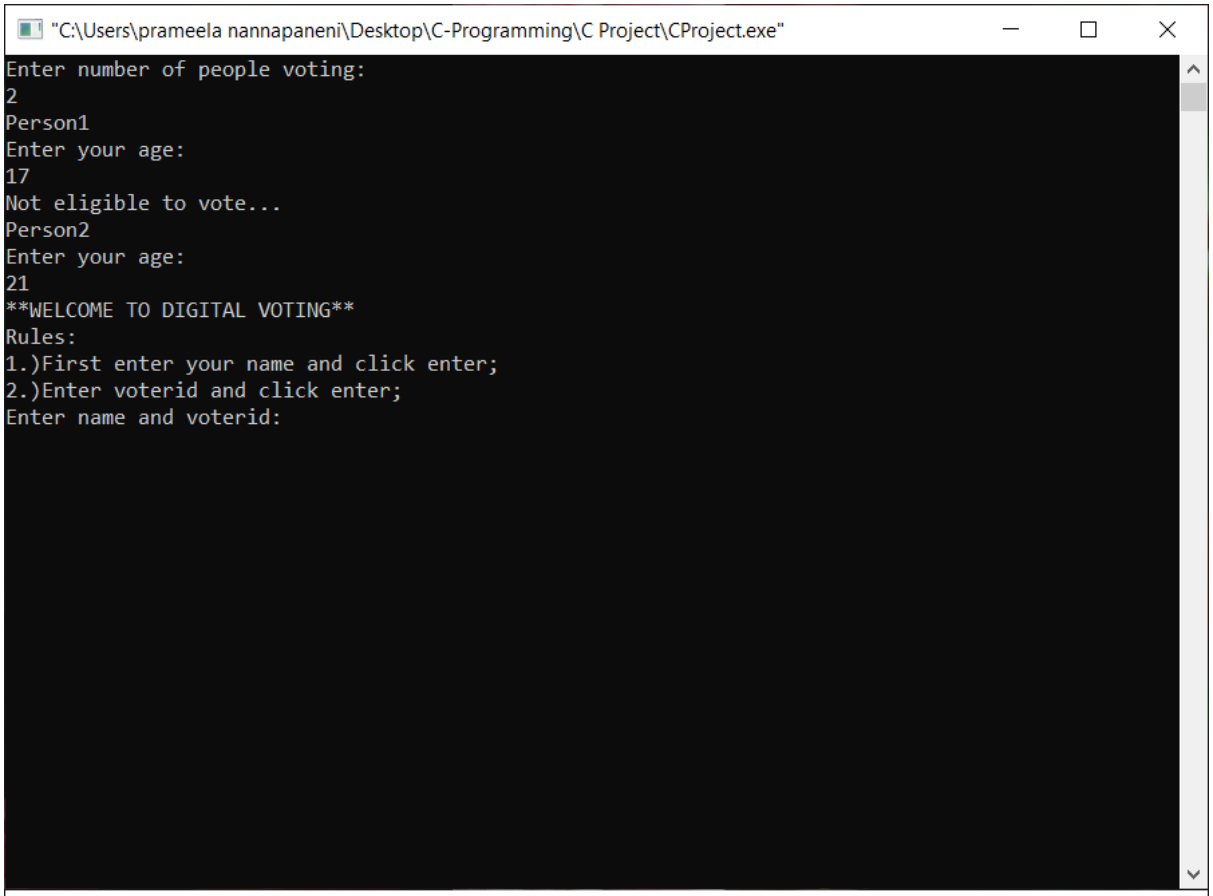
and input is taken if the user's age is above 18 and then vote is taken from the user. Vote count per candidate is declared zero at first. For each vote a candidate gets, their vote count is incremented by 1. Then the vote count is displayed.

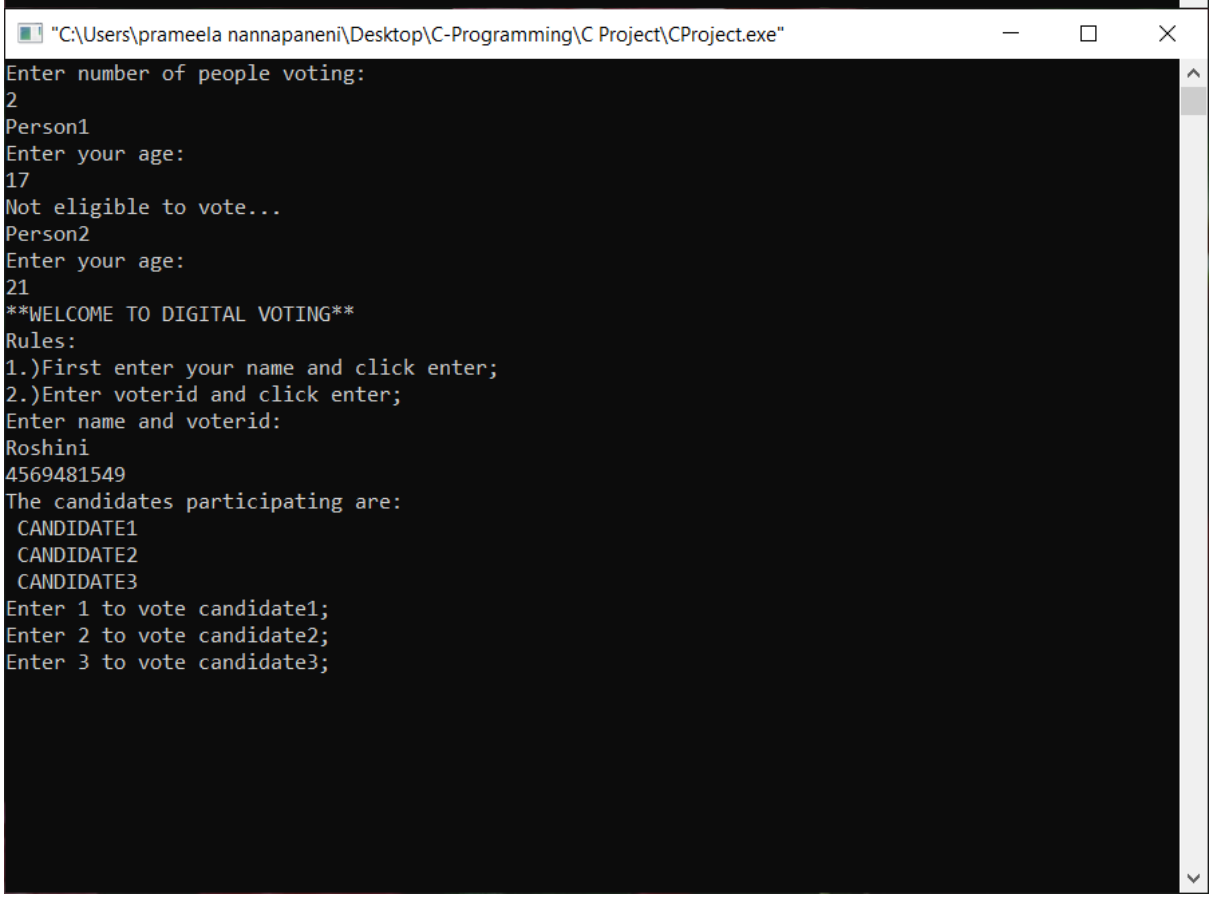
Sample I/O:

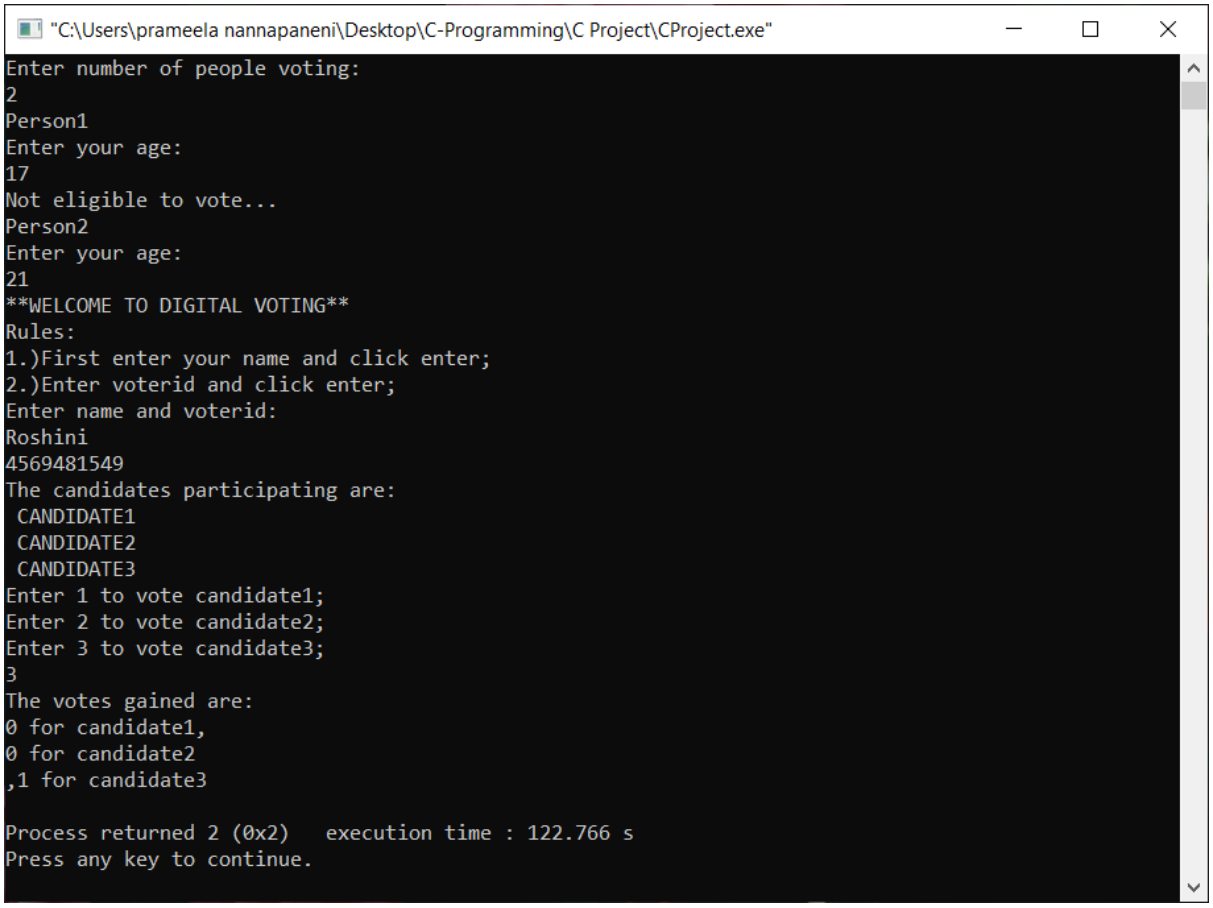



"C:\Users\prameela nannapaneni\Desktop\C-Programming\C Project\CProject.exe"
Enter number of people voting:
2
Person1
Enter your age:

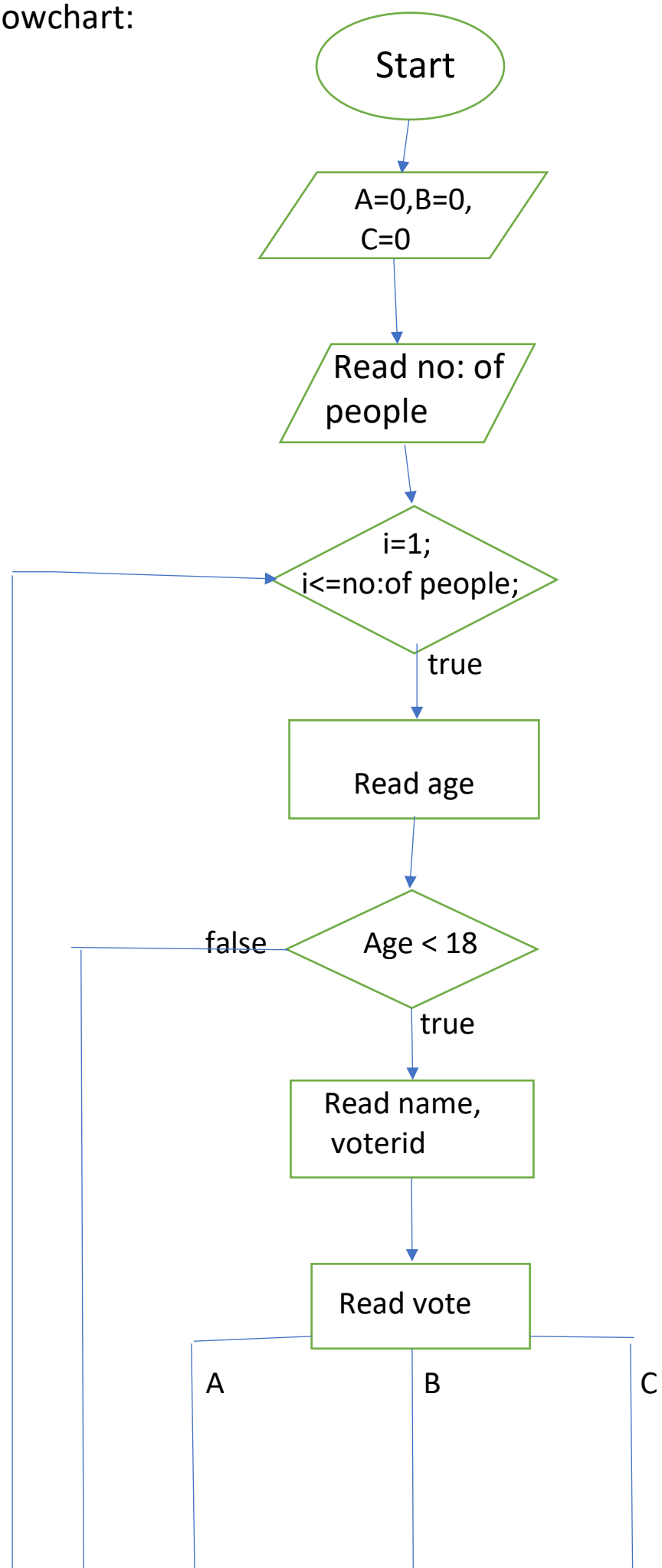

"C:\Users\prameela nannapaneni\Desktop\C-Programming\C Project\CProject.exe"
Enter number of people voting:
2
Person1
Enter your age:
17
Not eligible to vote...
Person2
Enter your age:

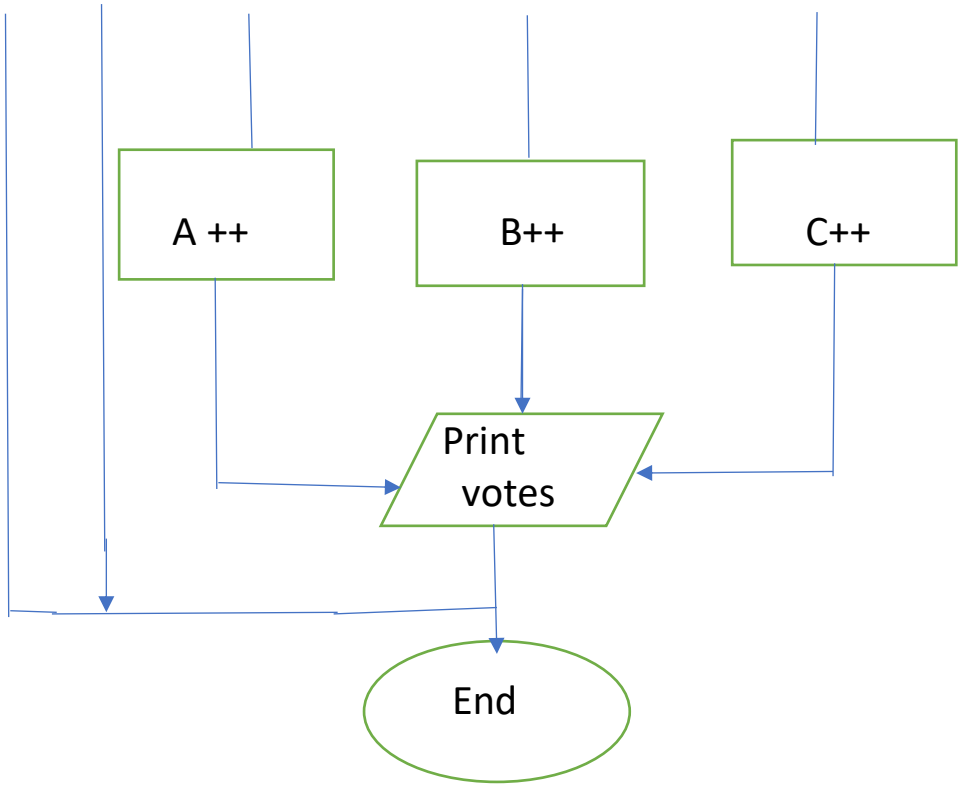

"C:\Users\prameela nannapaneni\Desktop\C-Programming\C Project\CProject.exe"
Enter number of people voting:
2
Person1
Enter your age:
17
Not eligible to vote...
Person2
Enter your age:
21
WELCOME TO DIGITAL VOTING
Rules:
1.)First enter your name and click enter;
2.)Enter voterid and click enter;
Enter name and voterid:


"C:\Users\prameela nannapaneni\Desktop\C-Programming\C Project\CProject.exe"
Enter number of people voting:
2
Person1
Enter your age:
17
Not eligible to vote...
Person2
Enter your age:
21
WELCOME TO DIGITAL VOTING
Rules:
1.)First enter your name and click enter;
2.)Enter voterid and click enter;
Enter name and voterid:
Roshini
4569481549
The candidates participating are:
CANDIDATE1
CANDIDATE2
CANDIDATE3
Enter 1 to vote candidate1;
Enter 2 to vote candidate2;
Enter 3 to vote candidate3;


"C:\Users\prameela nannapaneni\Desktop\C-Programming\C Project\CProject.exe"
Enter number of people voting:
2
Person1
Enter your age:
17
Not eligible to vote...
Person2
Enter your age:
21
WELCOME TO DIGITAL VOTING
Rules:
1.)First enter your name and click enter;
2.)Enter voterid and click enter;
Enter name and voterid:
Roshini
4569481549
The candidates participating are:
CANDIDATE1
CANDIDATE2
CANDIDATE3
Enter 1 to vote candidate1;
Enter 2 to vote candidate2;
Enter 3 to vote candidate3;
3
The votes gained are:
0 for candidate1,
0 for candidate2
,1 for candidate3
Process returned 2 (0x2) execution time : 122.766 s
Press any key to continue.

Flowchart:


Start
A=0,B=0,
C=0
Read no: of
people
i=1;
i<=no:of people;
true
Read age
false
Age < 18
true
Read name,
voterid
Read vote
A
B
C



End user: This can be used to conduct elections. People participating in voting will be the end user.

Conclusion: The overall project is useful to vote and follows a systematic process. We learnt how to implement the concept of structures and loops.