Title: Election System

Aim: To create a voting system that will save time and errors.

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. Finally, the votes per each candidate is displayed.

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

Sample scenario: The scenario after development will be similar to filling an application form. You just need to fill the required details to complete the process.

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. At the end of for loop, the votes gained are displayed.

Sample I/O:

Input:

1

20

Roshini

 4569481549

 2

Output:

Enter number of people voting:

1

Enter your age:

20

**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;

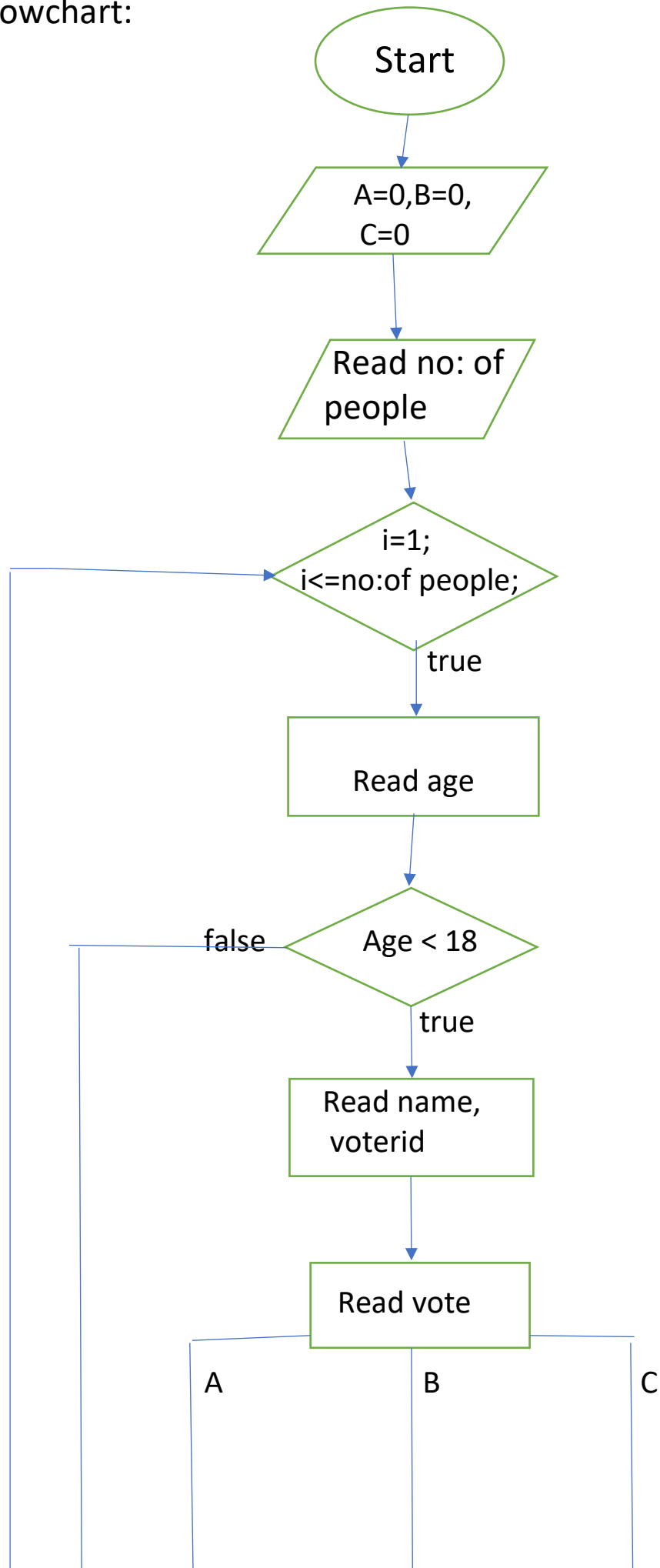 Enter 2 to vote candidate2;

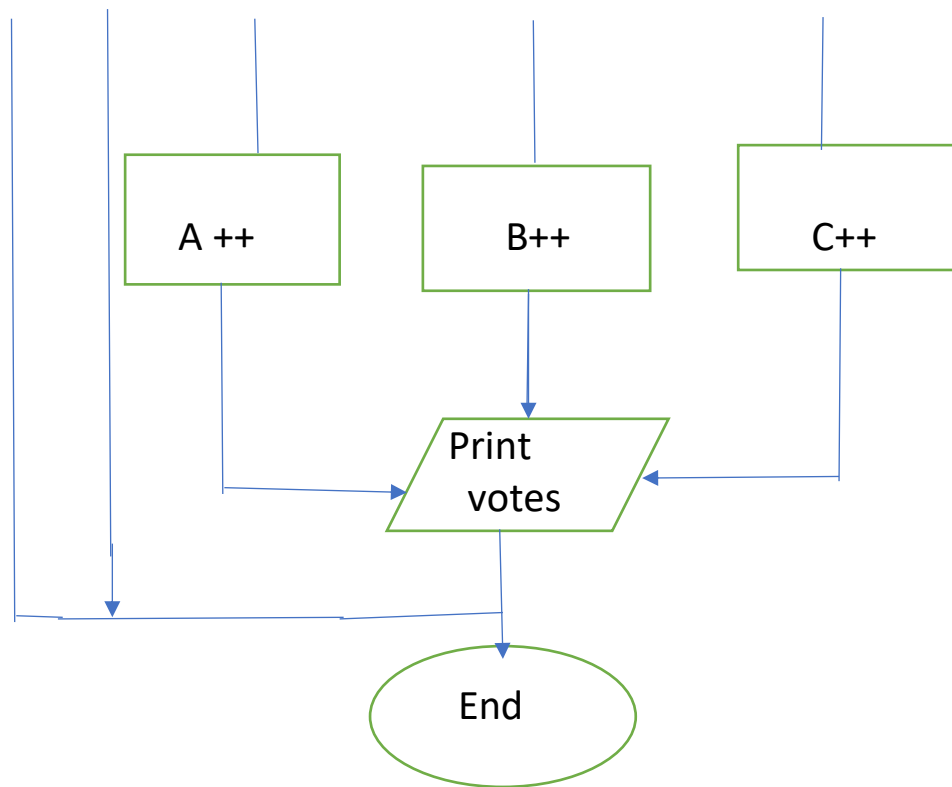 Enter 3 to vote candidate3;

2

The votes gained are:

0 for candidate1,

1 for candidate2

,0 for candidate3

Flowchart:

```
                    ( Start )
                        |
                        v
              / A=0,B=0,    /
             /   C=0       /
                  |
                  v
            / Read no: of  /
           /    people    /
                  |
                  v
              <  i=1;        >
              < i<=no:of people; >
                  |
                  | true
                  v
            [  Read age  ]
                  |
                  v
      false <  Age < 18  >
                  | true
                  v
            [ Read name,  ]
            [  voterid    ]
                  |
                  v
            [ Read vote ]
             /    |    \
            A     B     C
```

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

A ++

B++

C++

Print votes

End

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. It is very simple for everyone to understand and use it.