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// Yannique Hecht
// HARVARD CS50 Week 3 - Plurality (Vote & Election Tool) - Implement
 a program that runs a plurality election

#include <cs50.h>
#include <stdio.h>
#include <string.h>

// PSEUDO CODE: VOTE FUNCTION
// 1. Iterate through candidates
// 2. Check for candidate name match in string name
// 3. If match, add 1 to counter
// 4. If works, print total number of votes
// 5. Else, return false and stop

// PSEUDO CODE: PRINT_WINNER FUNCTION
// 1. Define max_votes (int) and set to 0
// 2. Iterate through candidates and check total number of votes
// 3. If total number of votes > max_votes, change max_votes to total
 number of votes
// 4. Iterate through candidates, print each candidate with max_votes


// Define constant MAX equal to 9 (Max number of candidates)
[redacted]

// Candidates have name and vote count

// Define new data structure
[redacted]
[redacted]
    [redacted]
    [redacted]
[redacted]
[redacted]

// Define a global array of candidates, where each element is a
 candidate
[redacted]

// Number of candidates
[redacted]

// Function prototypes
[redacted]
[redacted]
```

```
[redacted]
    // Check for invalid usage (refers to command line entry) and
print instructions
    [redacted]
        [redacted]
        [redacted]
    [redacted]

    // Populate array of candidates, prompt user to enter number
between 1-9
    [redacted]
    [redacted]
        [redacted]
        [redacted]
    [redacted]
        [redacted]
    [redacted]
        [redacted]
        [redacted]
    [redacted]
    // Ask user to enter number of voters
    [redacted]

    // Loop over all voters
    [redacted]
        [redacted]

        // Check for invalid vote
        [redacted]
            [redacted]
        [redacted]
    [redacted]

    // Display winner of election
    [redacted]
[redacted]

// Update vote totals given a new vote
[redacted]
    [redacted]
```

```
[redacted]
[redacted]
    [redacted]
    [redacted]
        [redacted]
        [redacted]
    [redacted]
[redacted]
[redacted]

// Print the winner/s (or winners) of the election
[redacted]
[redacted]
    [redacted]
    [redacted]
    [redacted]
        [redacted]
        [redacted]
            [redacted]
        [redacted]
    [redacted]
    [redacted]
    [redacted]
        [redacted]
        [redacted]
            [redacted]
        [redacted]
    [redacted]

    [redacted]
[redacted]
```