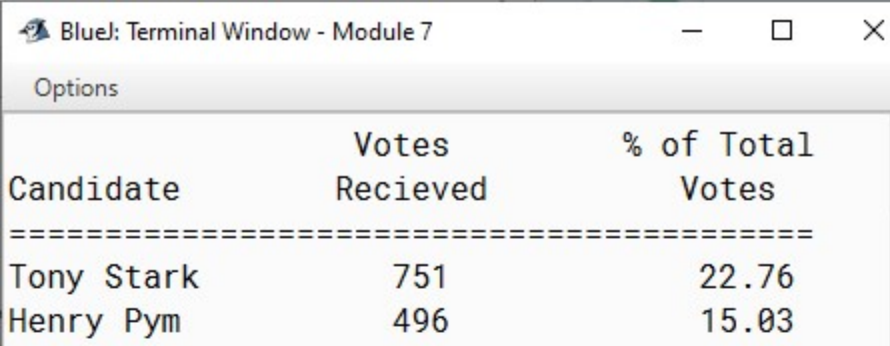


07.07 Assignment Instructions

Instructions: Working with the mock election, you will establish deletion algorithms to make updates to the array and `ArrayList` for the candidates.

1. Create a folder called **07.07 Assignment** in your Module 07 assignments folder.
2. Copy your `ElectionTesterV5.java` and `ElectionTesterV6.java` files to the new folder. Rename V5 to V7 and V6 to V8. Be sure to update the class statement as well to reflect the new versions.
3. Modify the `ElectionTesterV6` program to include the following:
 - a. a method that will delete a particular candidate by position in the election array. Its arguments should include the array and a position to delete.
 - b. a method that will find a particular candidate by name and delete that candidate. Its arguments should include the array the name of the candidate to delete.
 - c. modify the other methods related to traversing, replacing, and inserting since you are working with an array. They need to work even if the array has some `null` entries.
4. Test your program by calling each of the methods. Be sure to print the election results after each change. See the sample output below. Clearly announce the change that should occur so someone reading your output knows which change occurred.
 - a. delete a candidate by position
 - b. delete a candidate by name
5. Now modify the `ElectionTesterV8` class that uses an `ArrayList` to include the same functionality as the array version.
6. The final output for V7 and V8 needs to show the insertion and deletion methods in action. Be sure to clearly label each change so you can verify the code worked properly.

Expected Output: This is a sample of the expected output. The details will vary based on design choices you make while completing the project.



Candidate	Votes Recieved	% of Total Votes
Tony Stark	751	22.76
Henry Pym	496	15.03

Bruce Banner	303	9.18
S____ R_____	225	6.82
C____ D_____	451	13.67
P_____ P_____	634	19.22
P____ C_____	235	7.12
M____ H____	204	6.18

The total number of votes is: 3299

<<Delete position 4>>

Candidate	Votes Recieved	% of Total Votes
=====		
Tony Stark	751	26.37
Henry Pym	496	17.42
Bruce Banner	303	10.64
S____ R_____	225	7.90
P_____ P_____	634	22.26
P____ C_____	235	8.25
M____ H____	204	7.16

The total number of votes is: 2848

<<Delete Henry Pym>>

Candidate	Votes Recieved	% of Total Votes
=====		
Tony Stark	751	31.93
Bruce Banner	303	12.88
S____ R_____	225	9.57
P_____ P_____	634	26.96
P____ C_____	235	9.99
M____ H____	204	8.67

The total number of votes is: 2352



