

07.06 Assignment Instructions

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

1. Create a folder called **07.06 Assignment** in your Module 07 assignments folder.
2. Copy your `ElectionTesterV3.java` and `ElectionTesterV4.java` files to the new folder. Rename V3 to V5 and V4 to V6. Be sure to update the class statement as well, to reflect the new versions.
3. Modify the `ElectionTesterV5` program to include the following:
 - a. a method that will insert a new candidate into a specified position. Its arguments should include the array, a position to insert, the name to add, and the votes to add.
 - b. a method that will find a particular candidate by name and then insert a new candidate before that candidate. Its arguments should include the array, a name to find, and the candidate and votes to insert.
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. insert a candidate by position
 - b. insert a new candidate before an existing one
5. Now modify the `ElectionTesterV6` class that uses an `ArrayList` to include the same functionality as the array version.

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

BlueJ: Terminal Window - Module 7

Options

Original Results:

Candidate	Votes Recieved	% of Total Votes
Tony Stark	751	40.46
Henry Pym	496	26.72
Bruce Banner	303	16.33
S____ R_____	225	12.12
C____ D_____	81	4.36

The total number of votes is: 1856

<<In position 2, add Nick Fury, 518 votes>>

Candidate	Votes Recieved	% of Total Votes
Tony Stark	751	31.63
Henry Pym	496	20.89
Nick Fury	518	21.82
Bruce Banner	303	12.76
S____ R_____	225	9.48
C____ D_____	81	3.41

The total number of votes is: 2374

<<Before Bruce Banner, add Clint Barton, 426 votes>>

Candidate	Votes Recieved	% of Total Votes
Tony Stark	751	26.82
Henry Pym	496	17.71
Nick Fury	518	18.50
Clint Barton	426	15.21
Bruce Banner	303	10.82
S____ R_____	225	8.04
C____ D_____	81	2.89

The total number of votes is: 2800





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