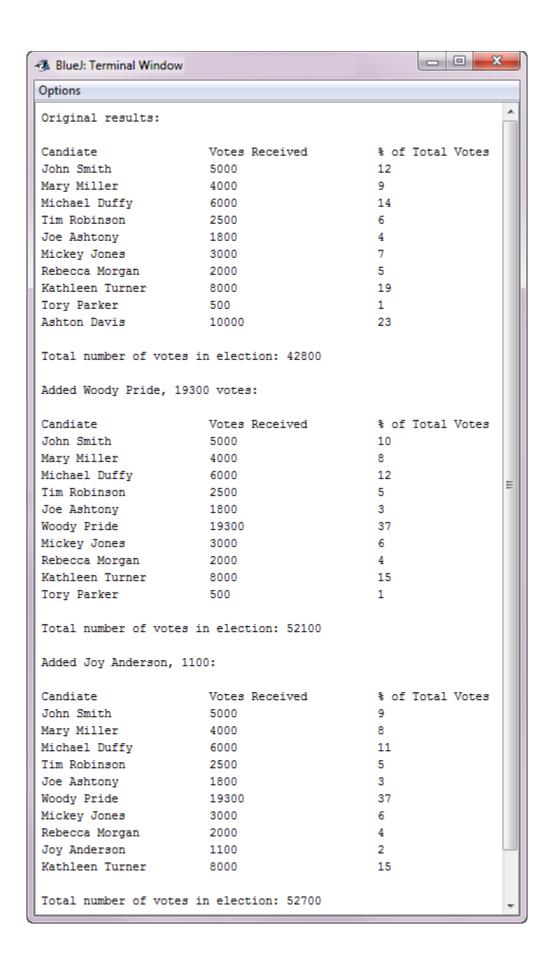
16.03 Assignment Instructions

Instructions: For this assignment, you are going to create insertion methods.

- 1. Create a folder called **16.03 Assignment** in your module 16 assignments folder.
- 2. Copy your **TestCandidate3.java** to a new class **TestCandidate5.java**.
- 3. Create the following methods for inserting election results:
 - a. Create a method that will find a particular candidate by position in the election array. Your method will then add a new candidate before that position. Call it insertPostion(). Its arguments should include the array, a position to insert, the name to add, and the votes to add.
 - b. Create a method that will find a particular candidate by name and then insert a new candidate before that candidate. Call it **insertCandidate()**. Its arguments should include the array, a name to find, and the candidate and votes to insert.
 - c. Test your methods by first adding Woody Pride, 19,300 votes in position 5, and then add Joy Anderson, 1,100 votes, before Kathleen Turner. You should call printResults() first and then after each insert. Your output should be similar to output shown below. Remember to turn on unlimited buffering in BlueJ, so that you can see the results.



- 4 Now create a class **TestCandidate6** and save it as **TestCandidate6.java**.
 - a. Create the same items as for **TestCandidate5**; however, use an ArrayList instead.
 - b. Output should look like that below.

BlueJ: Terminal Window	V	_
Options		
Original results:		
Candiate	Votes Received	
John Smith	5000	12
Mary Miller	4000	9
Michael Duffy	6000	14
Tim Robinson	2500	6
Joe Ashtony	1800	4
Mickey Jones		7
Rebecca Morgan	2000	5
Kathleen Turner	8000	19
-	500	1
Ashton Davis	10000	23
Total number of vote	es in election: 42800	
Added Woody Pride, 3	19300 votes:	
Candiate	Votes Received	% of Total Votes
John Smith	5000	8
Mary Miller	4000	6
Michael Duffy	6000	10
Tim Robinson		4
Joe Ashtony	1800	3
Woody Pride	19300	31
Mickey Jones		5
Rebecca Morgan		3
Kathleen Turner	8000	13
Tory Parker	500	1
Ashton Davis	10000	16
Total number of vote	es in election: 62100	
Added Joy Anderson,	1100:	
Candiate	Votes Received	% of Total Votes
John Smith	5000	8
Mary Miller	4000	6
Michael Duffy	6000	9
Tim Robinson	2500	4
Joe Ashtony	1800	3
Woody Pride	19300	31
Mickey Jones	3000	5
Rebecca Morgan	2000	3
Joy Anderson	1100	2
Kathleen Turner	8000	13
Tory Parker	500	1
Ashton Davis	10000	16
Total number of vote	es in election: 63200	