

P4-1a (4 points):

- +1 Creates a new ArrayList<Integer> object.
- +1 Accesses all elements in the array **tokens**.
- +1 In the context of a loop, compares strings in the **tokens** array with both of the delimiter instance variables.
- +1 Adds integers with the correct “rank” to the ArrayList<Integer> object and returns the ArrayList<Integer> object.

P4-1b (5 points):

- +1 Initializes an ArrayList<String> to contain strings that should be “evaluated first”.
- +1 Assigns a List<String> to a variable by calling **precedenceRank()**.
- +1 In the context of a loop, finds the greatest value (“highest rank”) integer.
- +1 In the context of a loop, adds strings corresponding to greatest value, to the ArrayList<String>.
- +1 Checks each string added to the ArrayList<String>, and only adds strings that are not delimiters.

P4-2 (5 points):

- +1 Initializes the **message** instance variable.
- +1 Checks for the presence of sub-strings “error” and “alert”.
- +1 Checks for the presence of spaces before, after, or on both sides of the words.
- +1 Sets the **type** instance variable to “note” if “error” or “alert” are not found.
- +1 In the context of if-else statements, correctly checks for the word “error” before the word “alert”.