

Foo
– SuperArray _data //Always in ascending order
+ Foo() //Default constructor, creates a Foo with no elements + String toString() //Returns the elements of data in a user-friendly format + int get(int) //Returns the integer at the index + void add(int) //Adds the parameter at the appropriate location to maintain order (will use addAtIndex of _data) + void remove(int) //Removes a single instance of the parameter + int count(int) //Returns how many times the parameter comes up in the Foo

Algorithm for add(int newVal):

1. Traverse the SuperArray until you find the first element that is larger than newVal
2. Insert newVal into the SuperArray just before this element.

Algorithm for remove(int val):

1. Traverse the SuperArray until you find the first element equal to val (if there is one)
2. Remove that index from the SuperArray
3. If there isn't one, print an error message