Array List

1. ***Array List:*** Implement a generic Array List, where you insert elements into a dynamic array which doubles in size when the array is 3/4th full and halves in size when the array is 1/4th full.

**Input Format:**

**There is no input file for this program. Complete the given methods as per their description.**

**Output Format:**

**The output is checked by using assert statements in the main method.**

**Note:**

* **Make sure to write toString() method to return string representation of the array with the square braces. For example: "[1, 2, 3, 4, 5]".**

**Sample Input #1:**

**Sample Output #1:**