

Array List

1. **ArrayList:** Implement a generic ArrayList, 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: