About Assignment #1 - Part I - Add

Complex1.java

instance methods →

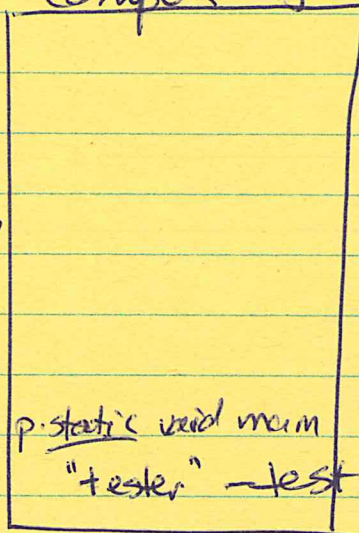Class for data
 · (Data Structure).

ComplexExerciser.java
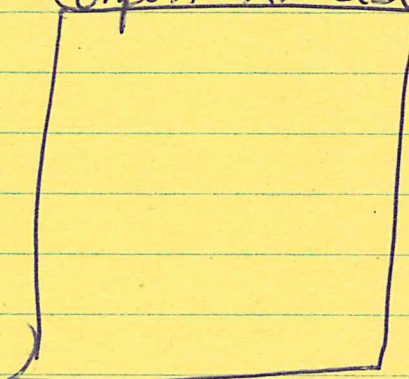
← static methods

program.

Part 2

Complex2.java.

instance methods →

static → | p. static void main
"tester" — test the instance methods.

class for data.

Assgt #1   part 2   - add.
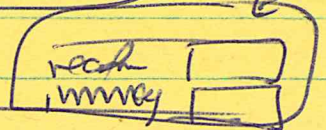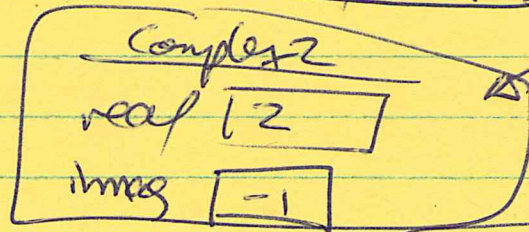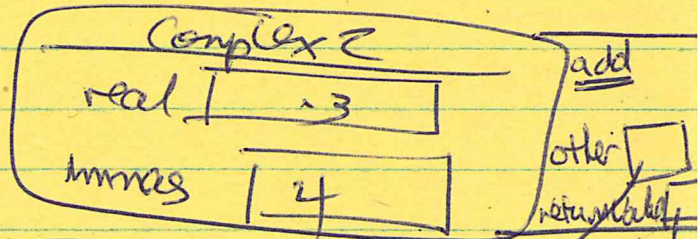
Memory Diagram

tester Main   Object Memory

oneValue [ ] ──────────────────► Complex 2
                                    real [~3   ]   add
                                    immag [4]   other [ ]
anotherValue [ ] ──────────►   return value
                                    Complex 2
                                    real [2]
                                    immag [-1]
                                                         real [   ]
                                                         immag [   ]

work on drawing these pictures
       of memory!

My Folder

IntList.java

ArrayList.java   } similar, —data
                                            definition
VectorList.java

Data Analysis.java   — program
Node.java
* ——> LinkedList.java

<< See Pseudo Quiz #1 Answers >>.

Linked List.

Object

LinkedList

head

add Front

| 72 | |
next

Node
| 141 | ↗ |
item   next

Node
| 25 | |
item   next

Node
| 57 | ↗ |

- next points to current head
- change head to new Node

Node
| 48 |

| 14 | ✓ |

add Back
| 81 | ✓ |
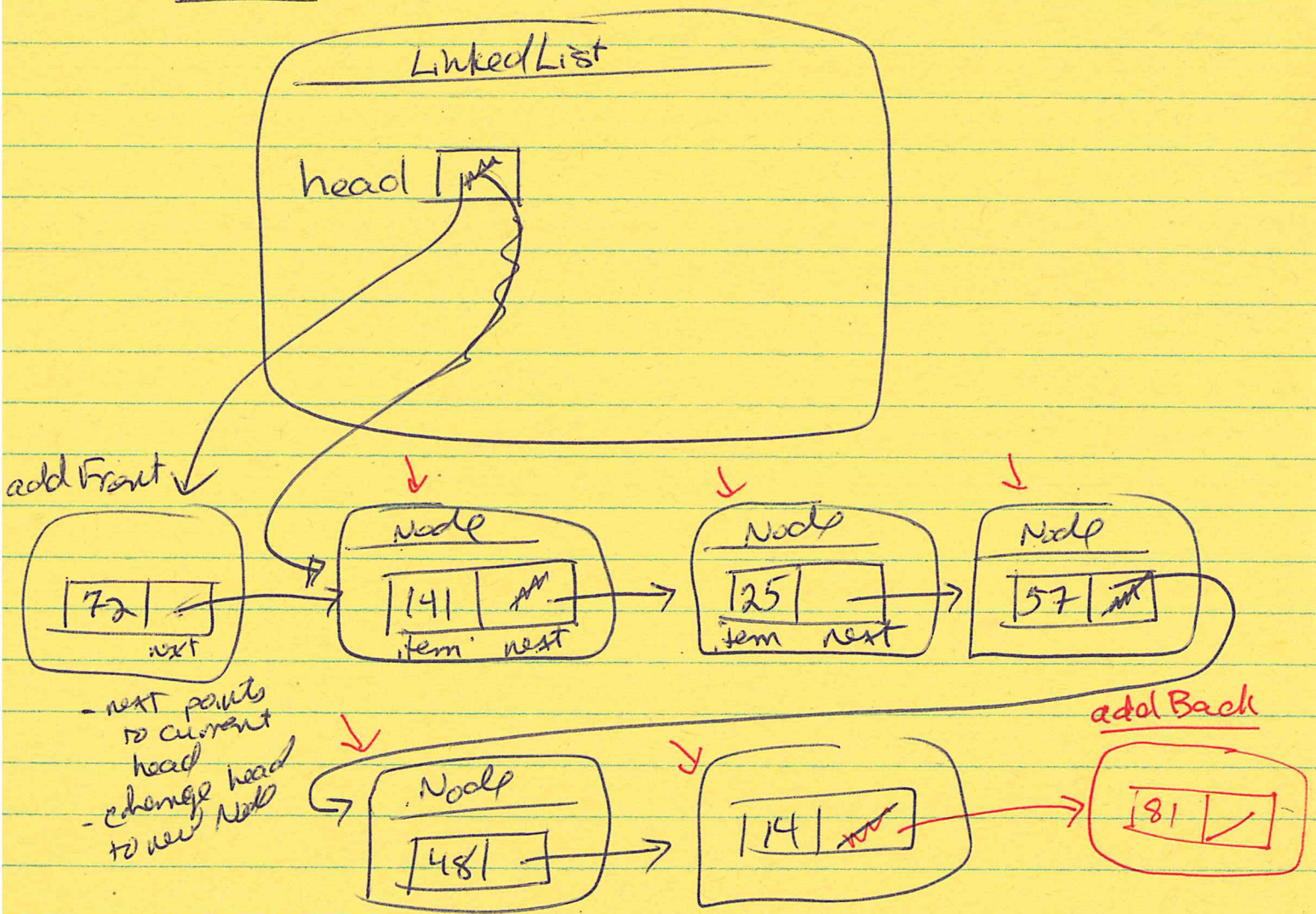
Growable list - Easy to add more
- Does not have predefined size!