CNN: Nicole Zhou + Duck; Nada Hameed + Ray; Corina Chen + Binktop
APCS Pd06
Hw46: Wrap the Wrapper
2021-12-09
Time Spent: 0.8 hr

— array must be sorted

Plan for ascending orders:

⎤ codem
⎦ Repo

- Nested for loops, one iterating through the length of the array and another one iterating through the length of the array minus the number of iterations the first for loops has gone through.
  ○ Of two indexes, if the one to the left is larger than the one to the right, then they swap places. If not, they're left alone.
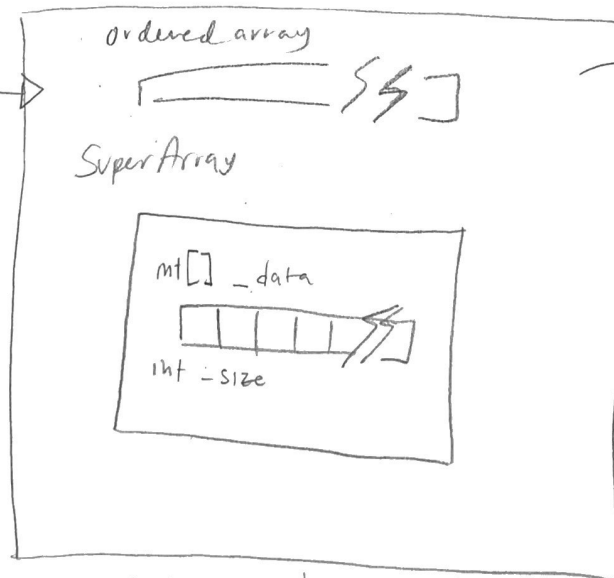
Other things to include in the Wrapper of the Wrapper?

Super Array

— descending order
↣ In code, switch x > y
            to y > x

Wrapper

ordered array

ascending order method

Super Array

int[] _data

int _size

Test:

3 1 5 9 4
        ↓
1 3 5 4 9

Q: Would ListInt have a role
   → how would it fit in it too?

AL Tester:
- creates a new ArrayList
- populate w/ 23 Integers
- determine whether its sorted
⇒ Ordered · · ·
(— will sort ArrayList
  ↳ wrapper class

- SuperArray aka ArrayList
  ↳ deals w/ int   ↳ can store anything
                       (made to store objects)
                → ArrayList < Integer > = new _____
                       ↙ provides methods for comparing