

# ENCAPSULATION

A hand-drawn diagram of an array. It consists of a horizontal line with 10 vertical lines intersecting it, creating 10 rectangular slots. Above each slot is a handwritten index number from 0 to 9. The slots are currently empty.

SuperArray sa

int numbersLens: 1

0	1	2	3	4	5	6	7	8	9
3	∅	∅	∅	∅	∅	∅	∅	∅	∅

int[] data

SuperArray sa

accessor or mutator

selectively permeable membrane

int numberElems: 1

0	1	2	3	4	5	6	7	8	9
3	∅	∅	∅	∅	∅	∅	∅	∅	∅

int[] data

internal helper methods

# SuperArray sa

→ {<sup>∅</sup>3}

sa.get(∅) → 3

[∅] = 3