ARRAYS IN JAVA

- a collection of items in memory
- they are held in contiguous memory
  - they all live together / next to each other
- fixed size - if you create an array with 5 slots, it will only ever have 5 slots
- you CAN store primitives AND any Java object

int[] nums = { 1, 2, 3, 4, 5 };   each int = 32 bits

1	2	3	4	5

160 bits = 32 × 5

ARRAYS use a 0 index @ the start

| 0 | 1 | 2 | 3 | 4 | 5 | indices
|---|---|---|---|---|---|

| 'A' | 'B' | 'C' | 'D' | 'E' | 'F' | values
|-----|-----|-----|-----|-----|-----|