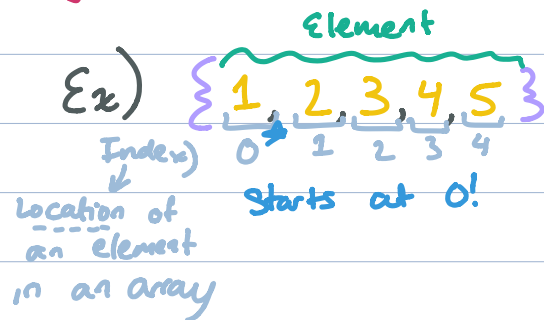
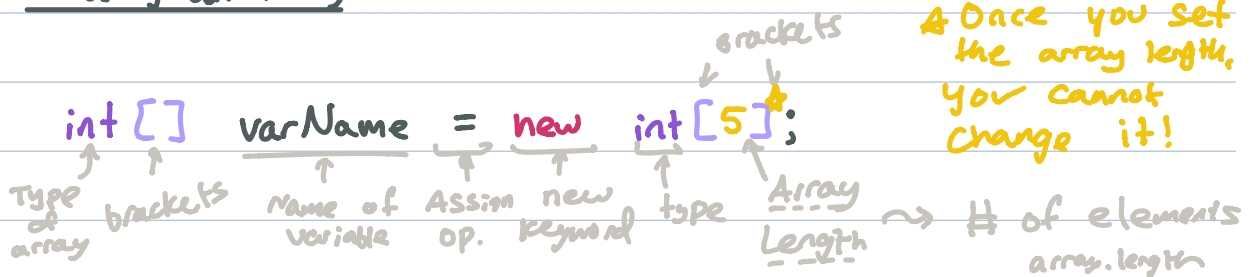


## Arrays → Collection of values



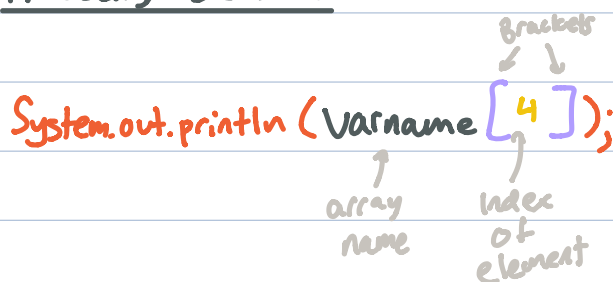
## Creating an Array



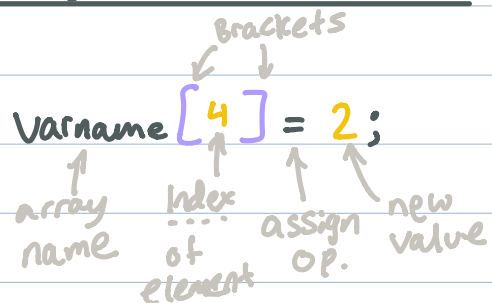
{ 0, 0, 0, 0, 2 } ← 5 elements

Defaults → int → 0    double → 0.0  
boolean → false  
String + ref. types → null → "missing"

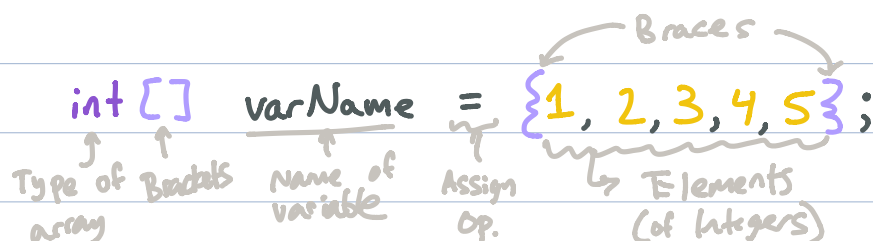
## Accessing Elements



## Editing Elements of Arrays



## Creating Arrays With Literals



## Traversing Arrays with Loops

★ Last element's Index =  
array.length - 1

```
for (int i = 0; i < array.length; i++) {  
    System.out.println (array[i]);  
}
```

This prints  
out all values  
of the array.

```
for (int i = array.length - 1; i >= 0; i--) {  
    System.out.println (array[i]);  
}
```

This prints  
all elements  
of an array  
backwards.

## For-Each Loop

type      name for the element      array name

```
for (int num : array) {  
    System.out.println (num);  
}
```

most concise  
way to print  
all values in  
an array.  
★ can be forward  
only