

Since we look at variables as a box with a name and a value, we can extend the metaphor to arrays as a box of boxes.

Things to know about arrays

- · Array sizes are fixed
- Arrays DO NOT know their size
- You access the contents of an array using "box notation", i.e. name[index]
- You cannot just print an array, you must iterate through each value to print its contents

Parallel arrays	
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Arrays give us a unique structure that we can exploit when we have two pieces of data that relate to a third piece. We call this structure a parallel array. Consider the model below:

stringArr1	"flipped"	"got"	"life"	"Му"	"how"	"about"	"all"	"story"	"a"	"is"	"Here"
stringArr2	"flipped"	"got"	"life"	"Му"	"how"	"about"	"all"	"story"	"a"	"is"	"Here"
	10	9	8	7	6	5	4	3	2		Ô

stringArr1[i] == stringArr2[i]

This very simplified example should start the mind working on how else this type of structure can be used. The clue is when you have two different pieces of information that are related by a third piece, such as a count or an instance.

Basic Forms