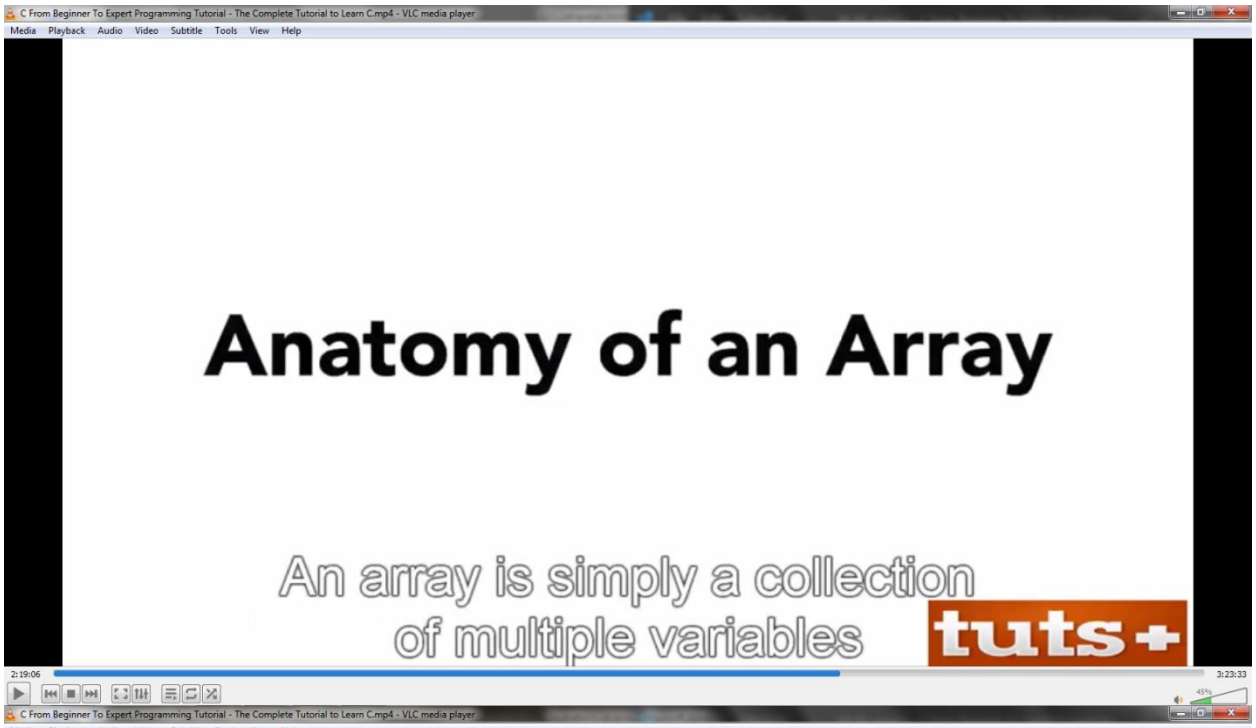
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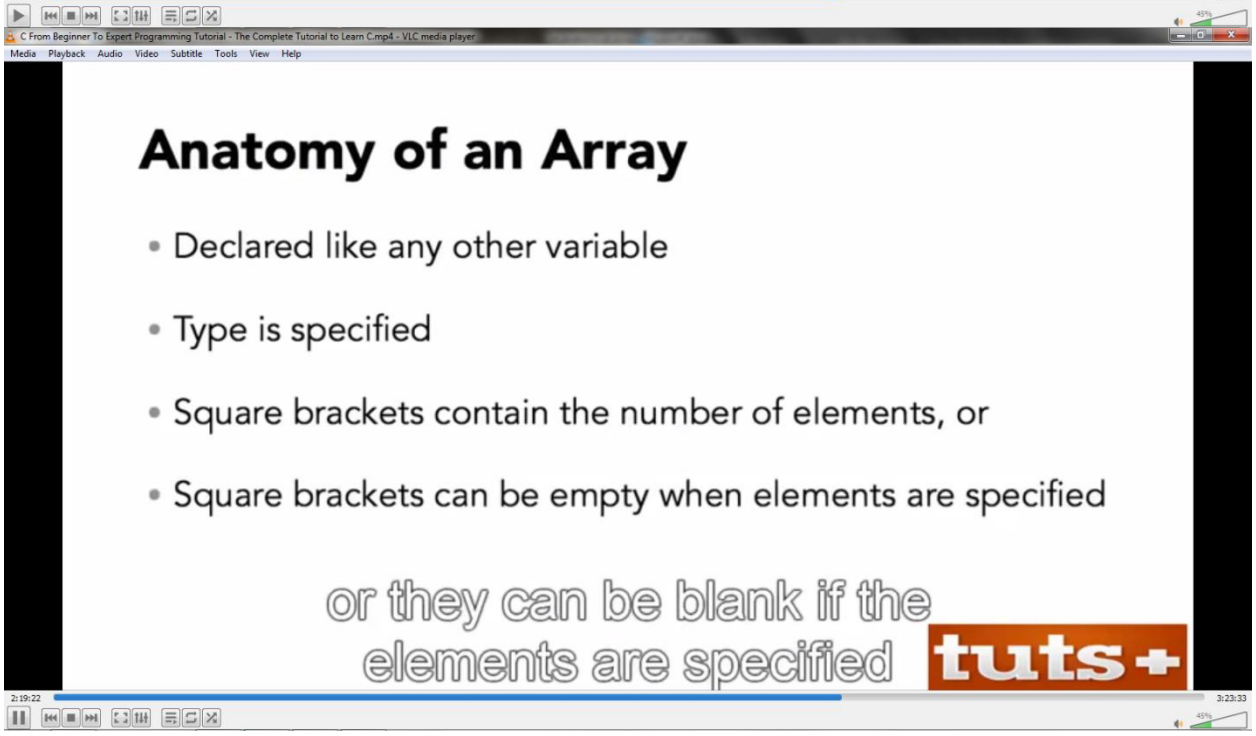
Anatomy of an Array
An array is simply a collection
of multiple variables
tuts+
2:19:06
3:23:33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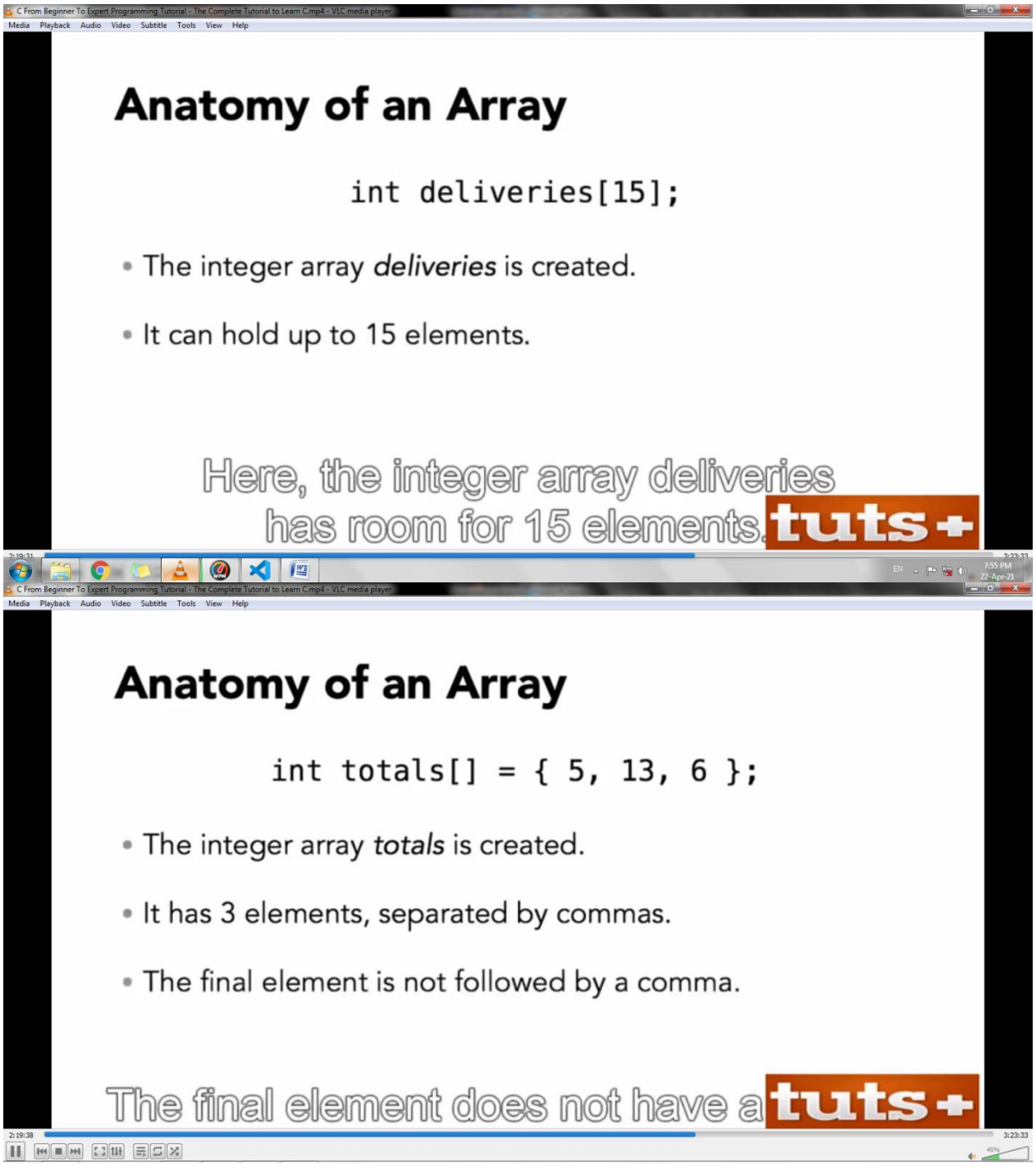
Anatomy of an Array
• Declared like any other variable
• Type is specified
• Square brackets contain the number of elements, or
• Square brackets can be empty when elements are specified
or they can be blank if the
elements are specified
tuts+
2:19:22
3:23:33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Anatomy of an Array
int deliveries[15];
• The integer array deliveries is created.
• It can hold up to 15 elements.
Here, the integer array deliveries has room for 15 elements.
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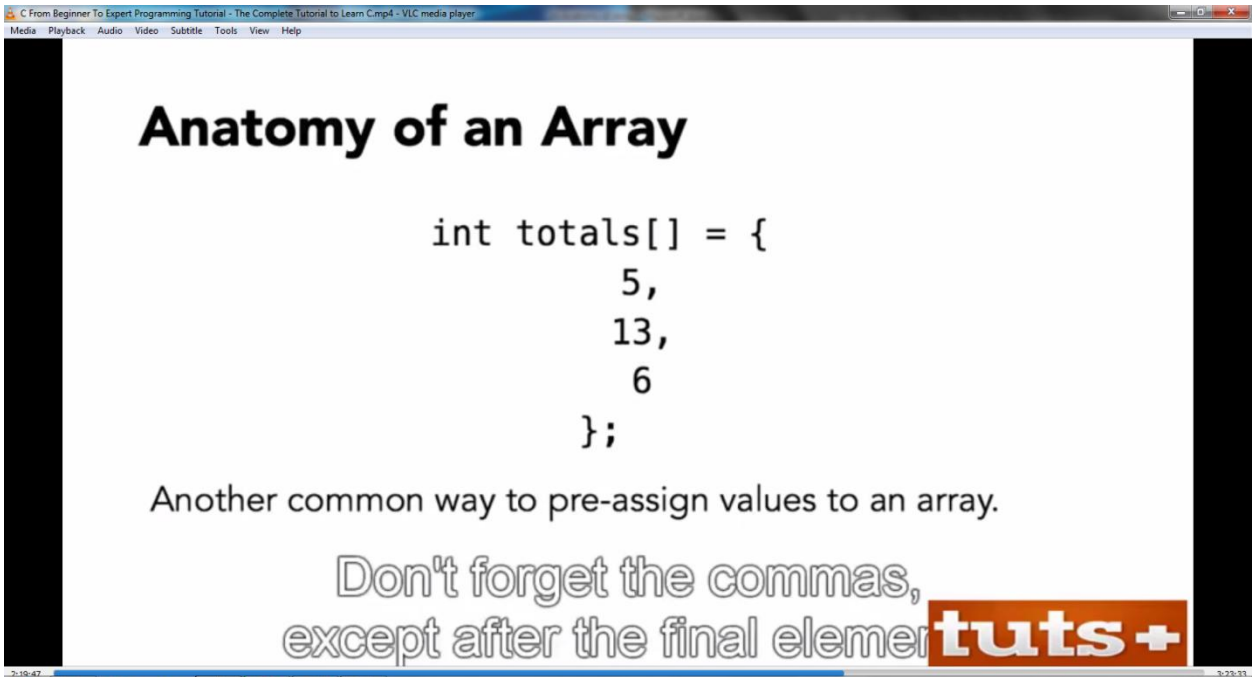
Anatomy of an Array
int totals[] = { 5, 13, 6 };
• The integer array totals is created.
• It has 3 elements, separated by commas.
• The final element is not followed by a comma.
The final element does not have a
tuts+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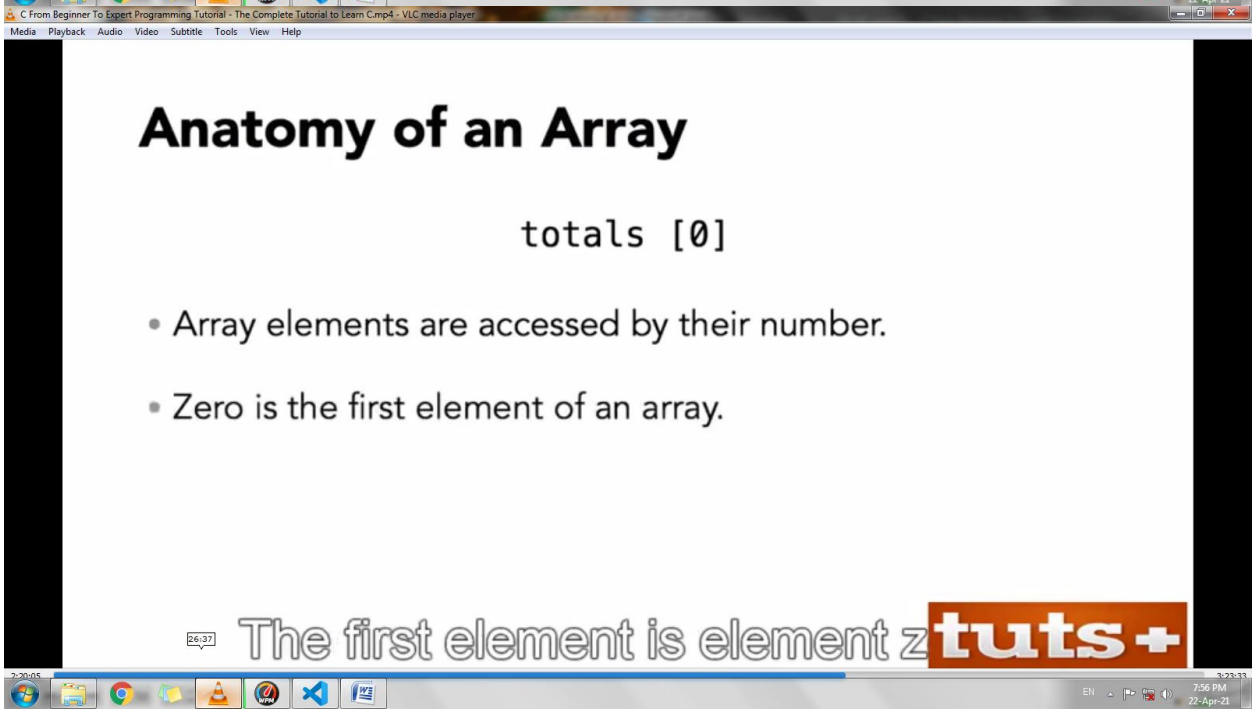
Anatomy of an Array
int totals[] = {
5,
13,
6
};
Another common way to pre-assign values to an array.
Don't forget the commas,
except after the final elemer
tuts+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Anatomy of an Array
totals [0]
• Array elements are accessed by their number.
• Zero is the first element of an array.
26:37
The first element is element z
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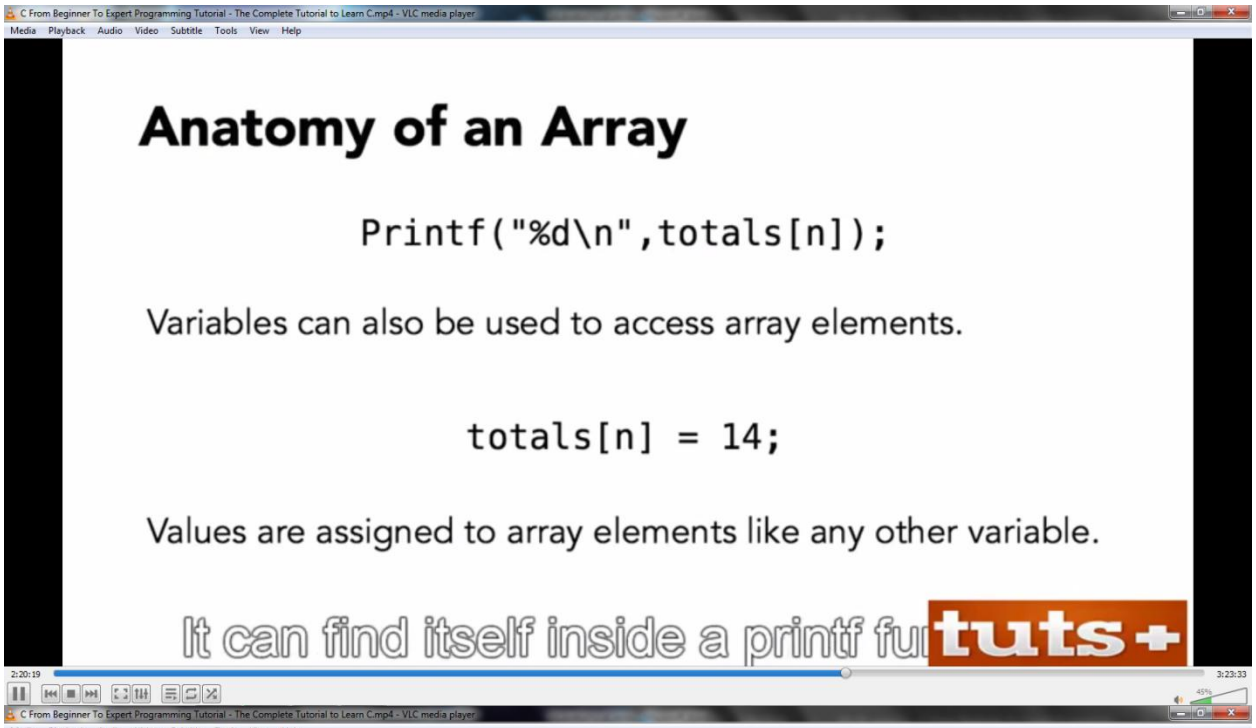
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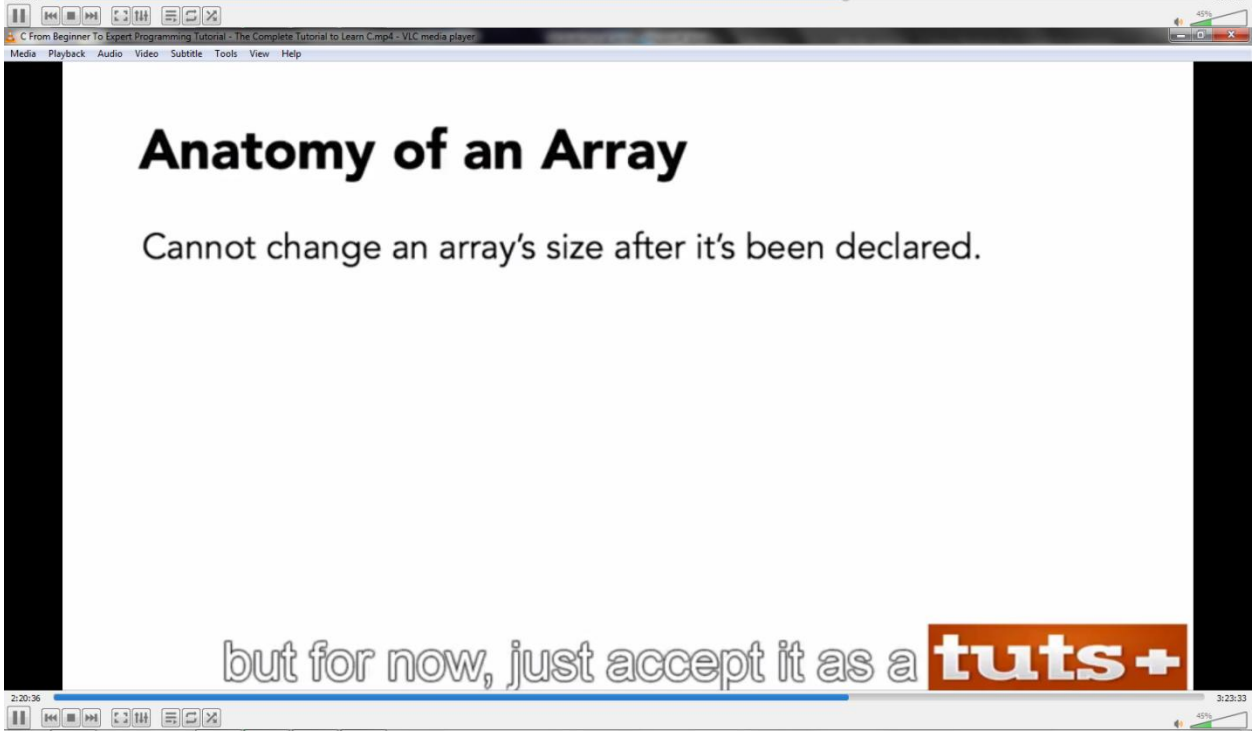
Anatomy of an Array
Printf("%d\n",totals[n]);
Variables can also be used to access array elements.
totals[n] = 14;
Values are assigned to array elements like any other variable.
It can find itself inside a printf fu
tuts+
2:20:19
3:23:33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Anatomy of an Array
Cannot change an array's size after it's been declared.
but for now, just accept it as a
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2:20:36
3:23:33