



Unit 5 - Lesson 3

Lists Practice

Warm Up



Vocabulary Review

Array an ordered collection of elements

Element - an individual value in a list that is assigned a unique index

Index - a common method for referencing the elements in a list or string using numbers



Activity



Debugging: the process of finding and fixing problems in code

Describe

The Problem

What do you expect it to do?

What does it actually do?

Does it always happen?

Hunt

For Bugs

Are there warnings or errors?

What did you change most recently?

Explain your code to someone else

Look for code related to the problem

Try

Solutions

Make a small change

Document

As You Go

What have you learned?

What strategies did you use?

What questions do you have?

Debugging Arrays

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Variables

console.log(message)

var list = ["a", "b", "d"]

Refresh

Finish

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Toolbox

Workspace:

1 var myList = ["Jo", "Jeri", "Lise", "Danil", "Mika"];

2 console.log(myList);

Debug Console

Clear

Watch

Variable / Property

Use `console.log` to track lists in the Debug Console. Click the arrow to see elements listed by index.

Strings have indexes too!

```
var myString = “ T h i s   o r   t h a t ”
```

T	h	i	s		o	r		t	h	a	t
0	1	2	3	4	5	6	7	8	9	10	11

myString.length will give the length of the string, which is 12

myString.substring(start,end) returns a substring starting at start, and going up to but not including end

myString.substring(0,4) is “This”

T	h	i	s		o	r		t	h	a	t
0	1	2	3	4	5	6	7	8	9	10	11

myString.substring(5,7) is “or”

T	h	i	s		o	r		t	h	a	t
0	1	2	3	4	5	6	7	8	9	10	11

Wrap Up





Prompt:

What aspects of working with lists do you feel clicked today?

What do you still have trouble with?