



# **Unit 5 - Lesson 3**

## **Lists Practice**

Activity





In small groups you will experiment with an app called “String Explorer”

We will then return to the whole group to summarize what you learned through your experimentation.

<http://bit.ly/CSPStringExplorer>

## 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

**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

Variable / Property

Version History

Show Blocks

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

Wrap Up





# Exit Ticket

**Respond in the chat to the following prompts:**

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

What do you still have trouble with?