

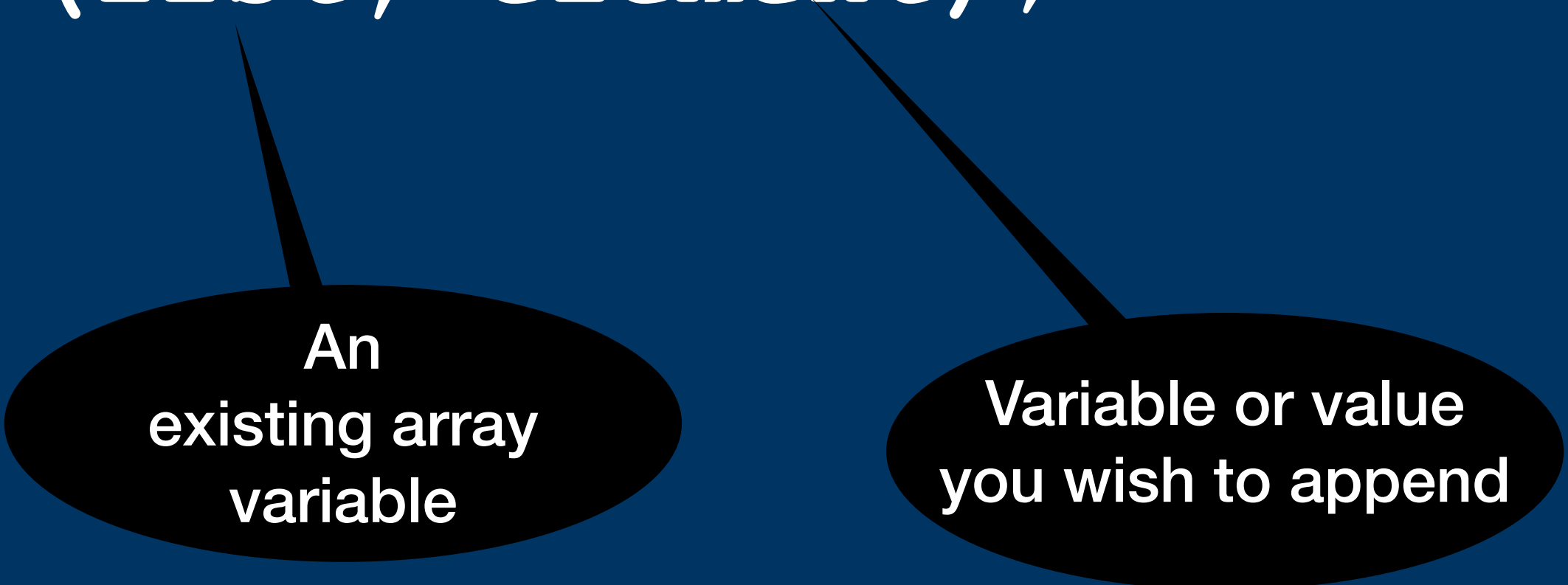
# Manipulating Arrays

## Part 1: Appending Elements and Converting to String

# Appending Elements

- To "append" means to "add on to the end".
- The App Lab function to accomplish this is `appendItem`.
- Here is the syntax of a call to the `appendItem` function:

```
appendItem (list, element);
```



An  
existing array  
variable

The diagram illustrates the syntax of the `appendItem` function. It shows the function name followed by two parameters in parentheses, separated by a comma, and ending with a semicolon. Two callout boxes are present: one pointing to the first parameter, 'list', and another pointing to the second parameter, 'element'.

Variable or value  
you wish to append

# Appending Elements

1: `var myList = [34, 88];`



2: `appendItem (myList, 7);`



3: `var x = 22;`

4: `appendItem (myList, x);`



# Converting to String

- Recall that a string is a collection of characters, words, phrases, sentences, etc., i.e., it's TEXT!
- The Javascript function to convert an array to a string is `join`.
- Here is the syntax of a call to the `join` function:

```
list.join ()
```



An  
existing array  
variable

# Converting to String

```
1: var myList = [34, 88, 104];  
2: var x = myList.join ();  
3: var y = myList.join (";");  
4: var z = myList.join ("\n");
```

"34,88,104"

x

"34;88;104"

y

"34  
88  
104"

z

Defaults to comma if no  
separator is supplied