

**Review**

- Remember to take the quiz for assignment 06!
- String declarations and creations
  - `String s = "abc";`
  - `String s = new String("abc");`
- `length()`, `indexOf()`
- `equals()`

**More String functions**

- `indexOf` used with a substring
  - `String str = "abcdefghi";`
  - `println(str.indexOf("def"));`
  - `println(str.indexOf("bb"));`
- `substring(beginIndex, endIndex)`
  - `beginIndex` is inclusive, `endIndex` is exclusive
  - `String str1 = str.substring(3);`
  - `String str2 = str.substring(3, 6);`

**Exercise**

- `String msg = "The quick brown fox jumps over the lazy dog."`
- Write code to create substring "fox jumps"
- Write code to create substring "lazy dog"

**2-parameter indexOf**

- `String s = "a man, a plan, a canal Panama";`
- `int i = s.indexOf("an");`
- `int i = s.indexOf("an", 4);`
- `println(s.indexOf("an", i+1));`

**toString**

- `toString()` is a method defined to return a `String`, which is meant to be the string representation of an object
- It is what `println` and `print` will use when called on an object
- Every object/class inherits from a superclass `Object` which comes with a `toString()` method
- Overwrite the `toString` to how you want your object printed.

**Array of String**

- Declarations
  - `String[] str1 = new String[10];`
  - `String[] str2 = {"ab", "cde", "f"};`
- Write a function that takes an array of strings `strs` and another string `s` and return how many of the strings in the array contain the string `s` as a substring.



**GapMinder**  
<http://www.gapminder.org>  
<http://www.gapminder.org/videos/hans-roesling-on-cnn-us-in-a-converging-world/>

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