

AP CS: Lesson 11: Strings

Name: _____ Period: _____

Java Syntax:

The String Variable Types:

```
String name = "<series of characters>"; // creates a String & assigns the string to it
```

Primitive Variable Type:

```
char name = '<single character>'; // creates a single character like 'a', '1', ' ...
```

Key String Methods: (operates on String type, s is the object here...)

```
s.indexOf(str) // index where the start of the given string appears
                //in this string (-1 if not found)
s.length()    // number of characters in this string
s.substring(index1, index2) // the characters in this string from index1
                            // (inclusive) to index2 (exclusive);
s.substring(index1) // if index2 is omitted, grabs till end of string
s.toLowerCase()  // a new string with all lowercase letters
s.toUpperCase()  // a new string with all uppercase letters
s.charAt(int)    // accepts an int index parameter and returns the char at
                // that index
```

String Test Methods:

```
s.equals(str) // whether two strings contain the same characters
s.equalsIgnoreCase(str) // whether two strings contain the same
                        // characters, ignoring upper vs. lower case
s.startsWith(str) // whether one contains other's characters at start
s.endsWith(str)   // whether one contains other's characters at end
s.contains(str)   // whether the given string is found within this on
```

Class Notes:

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Exit Ticket - Please answer and return at end of period. Thanks.

1. I understand how to return a value from a method: Yes Somewhat No
2. I understand how to use to create a cumulative sum: Yes Somewhat No
3. I understand how to use String methods: Yes Somewhat No
4. I understand how to use char within a String: Yes Somewhat No

Additional comments, especially if you answered "No" to any of the above what would you like to more details on? Thanks
