

String Details

▷ String is a fundamental part of Java

▷ The Java String is NOT a structure, nor iterable

▷ All the UNICOD's values including emoij fit in String

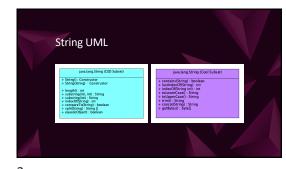
▷ Strings are IMMUTABLE

□ They can only be changed by assigning a replacement value into the same variable!!

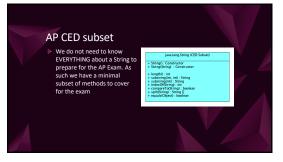
▷ Everything can be turned into a String!

□ All Objects have a coString () method

▷ Check out the Java String API for even more details!



1 2 3



String Constructors

> Zero Parameter Constructor

- Creates an empty String AKA ""

= String myText = new String();

> String parameter

- Creates a new String using the supplied parameter

= String myTextOne = new String("words here");

= String myTextTwo = new

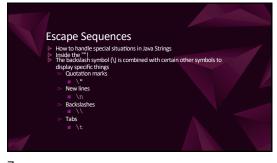
- String (someStringVariable);

= String (someStringVariable);

= String (myBook.getFavoriteWord());



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How big is it?

Description String is immutable, the Java language specification uses the length () method when referring to how big a String is.

Each symbol in the String counts, including spaces!

Description String title = "Doctor Who";

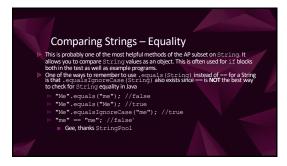
int lengthOffitle = title.length();

//Contains 10



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Comparing Strings - Sorting

Does of the objective in almost every introductory computer science course involves the sorting of String data along provides for the wint the comparing of \$(\frac{1}{2}\) is 100 method people of what the leaves page in the celling Science and the parameter of what the leaves page in the celling Science and the parameter of what the REST substring, you will receive one of three values.

An integer less than 0 of the celling Science would be found before the parameter \$\frac{\text{m}^2}{2}\] = "Science text", compare for ("\text{m}^2) / [\text{m}^2] / [\text{Based} on the first letter \$\text{m}^2 \text{A^*-compare for ("\text{m}^2) / Cases matters \$\text{st}\$!

The singley of the celling Spring who also me as the parameter String

An integer persent than 0 if the celling String would be found after the parameter \$\frac{\text{m}^2}{2}\] = "compare for ("\text{a}");

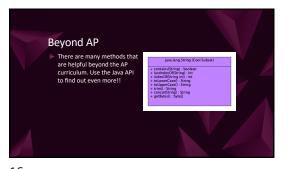
**The compare for ("\text{a}");

**The compare for ("\text{car"});

Extracting Strings

Do MG this is my FAVORITE method
The split method is used to extract a String into its component String
It returns an array of String pieces using the parameter to separate them
An empty String parameter will return an array of each symbol as a String
A space as a parameter will return an array of each word in the String as an array of String values
A comma as the parameter will return an array of each word in the String as an array of String values
A comma as the parameter will return an array of each value between the commas as an array of String values (CSV file!)

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Look deeper inside

▶ When working with data it is often necessary to look deeper inside the String in question. These methods provide more functionality than just the first occurrence of a parameter than the indexOf (String) method supplies

▶ contains(String)

■ Is the parameter located within the calling String. This one chains well with toLowexCf(String)

■ What is the last index of the supplied String. This one is especially useful for locating the extension of a filename because of the period may be in a username.

▶ indexOf(String, int)

■ The overloaded indexOf is Fantastic! This version is great for looking ahead in a String for repeat occurrences

Change how it looks

String values are immutable, so the variable only changes if you use an assignment operator, but you can use these methods to change a String provided you assign the result to a variable or simply use the temporary result.

To tower(ase) AND toutpercase()

These two are pretty self explanatory, Just remember that String values including empi; (**) *** (**) *

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