

String Details

▷ String is a fundamental part of Java

▷ The Java String is NOT a structure, nor iterable

▷ All the UNICODE values including emoji fit in String

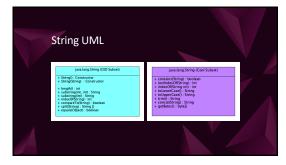
▷ Strings are IMMUTABLE

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

▷ Everything can be turned into a String!

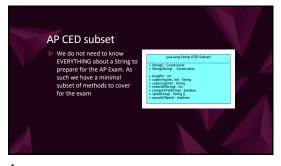
□ All Objects have a toString () method

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



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String Constructors

Description Zero Parameter Constructor

Creates an empty String AKA ""

■ String myText = new String();

String parameter

Creates a new String using the supplied parameter

■ String myText = new String("");

■ String myText = new String(someStringVariable);

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■ String myText = new String(someStringVariable);



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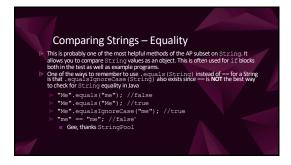
How big is it?

▷ Since a lava 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!
▷ String title = "Doctor Who";
▷ int lengthOfTitle = title.length();
//Contains 10



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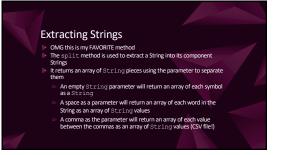
Comparing Strings - Sorting

One of the objectives in almost every introductory comparer science course involves the sorting of String data along provides for the winth the comparance (string and the placending on what the leaves and the comparance (string and the placending on what the leaves and the comparance of the configuration of the calling String and the placending of the Affect additional configuration of the calling String and the placending of the Affect additional configuration of the calling String and the placending of the Affect and the string of the calling String would be found after the parameter of "a" a "Scare Comparation ("a"); // Case matters: 1!

The integer of life calling String would be found after the parameter of "b" comparation ("a");

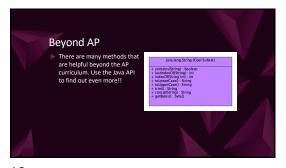
""at "comparation ("a");

""cat" comparation ("as");



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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

□ contain(String)

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

□ statndexOf(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 Fantasticl 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 so the variable or simply use the temporary result.

In tolowerCasel (AND tolupperCasel)

These two are pretty self explanatory, Just remember that String values including empit (B, -M), and non-Aman characters (D/E/L) do not have a "case" and will not be affected by these.

It min()

Did you ever want to get if of all the extra spaces before or after a String caused by resting your head/cat on the space bar? Then trim() is what you need to call

concat(String)

You want to build a String from other Strings and don't want to use an overloaded + operator? Then concat(String) is your friend.

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