"समय न लगाएँ इसमें कि क्या करना है, वरना समय ये तय करेगा कि आपका क्या कराना है।"



Beyond the Basics

DSA Launch Pad with JAVA



String

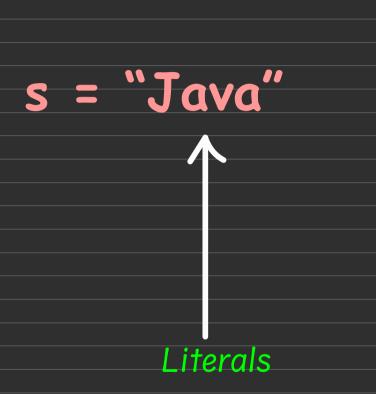
It is a collection of characters ending with null character.

Syntax

String nameOfString

String str = "Java"

String literals



Value

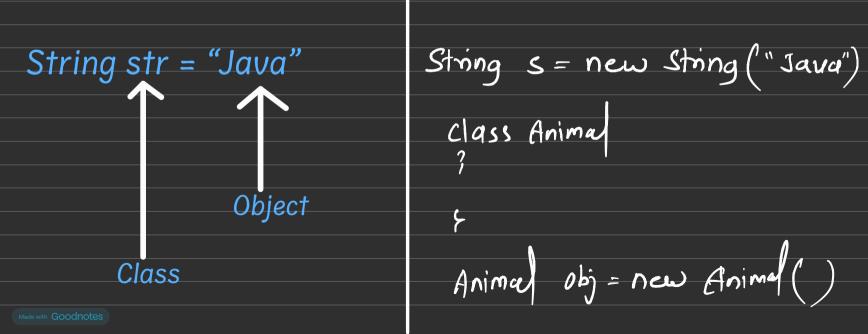
Janable

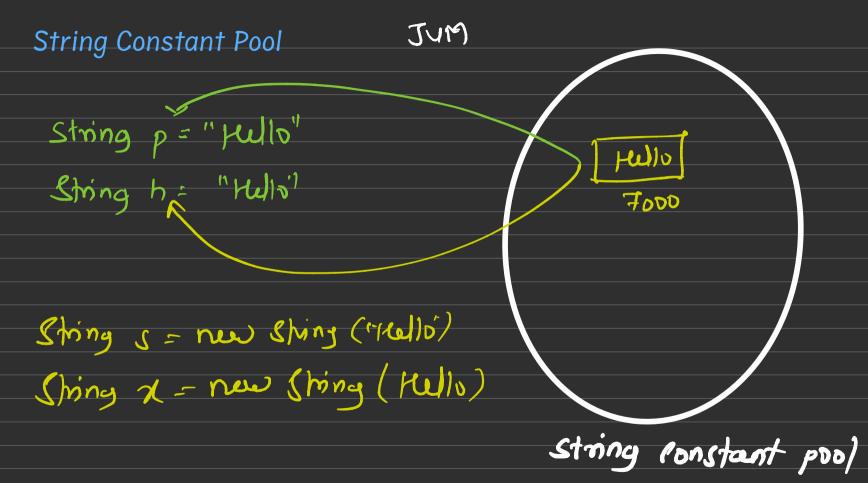


Amazing facts of String in Java

String is not a data type in java – it is a Class

Literal is considered as Object of the String class.





Immutable String

String in java is immutable- which means it cannot be changed or modified.

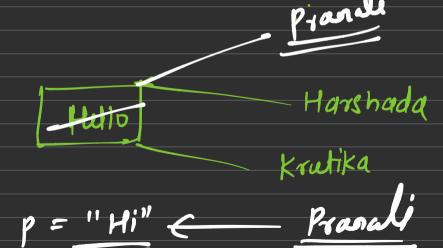
This is because – String is an object not a data type. 🏗 🕬

Why String is Immutable

String
$$p = "Fullo"$$

String $h = "Fullo"$
String $K = "Fullo"$

"14;"



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Made with Goodnotes

Functions of the String

```
length(): mainly gives the length of the string.
charAt(index): mainly gives the character present at the given index.
indexOf(char): mainly gives the index of the character.
lastIndexOf(): mainly gives the index of the char from last.
substring(index): mainly gives substring from index to N
equal(str2): mainly checks whether two strings are equal or not.
 toLowerCase() : Convert whole string in lower case.
 toUpperCase(): Convert whole string in upper case.
```



Mutable String

StringBuilder

StringBuffer

```
String Builder s= new String Ruilder ()
```

_ String Buffer s = new String Buffer()

Multi-Threading -> Costly CPV Cycle

_ Synchronization & Thread Safe

Made with Goodnote

Krutika Pranali Read (1) Read (x) 1= 1+1 Z=1-1 10 mintf(1)

append(char/string): insert the char/string at the end of given string.

deleteCharAt(index): deletes the char from given index

setCharAt(index, char): sets the new char at given index.

reverse(): mainly reverse the whole string.