

CSIS 3101 Resources - Java

Defining a "main" method in Java:	Declaring variable types in Java:	
<pre>public class Test { public static void main(String args[]) { System.out.println("Hello World"); } }</pre>	In java, variables are required to have a declared variable type upon definition, unlike Python which does so dynamically. Declaring types is done as follows: type variableName = value; In Java, there are different types of variables, such as:	
In this case, myObj is a new instance of the main class,	surrounded + int - stores decimals, su + float - stor such as 19.9 + char - stor values are s	ores text, such as "Hello". String values are by double quotes s integers (whole numbers), without uch as 123 or -123 res floating point numbers, with decimals, 99 or -19.99 res single characters, such as 'a' or 'B'. Char surrounded by single quotes stores values with two states: true or false String name = "John"; System.out.println(name);
	<u>Essential S</u> replace() replaceFirst()	Etring manipulation methods in Java: Searches a string for a specified value, and returns a new string where the specified values are replaced Replaces the first occurrence of a substring that matches the given regular expression with the given replacement
Java Class Constructors:	replaceAll()	Replaces each substring of this string that matches the given regular expression with the given replacement
A constructor in Java is a special method that is used to initialize objects. The constructor is called when an object of a class is created. It can be used to set initial values for object attributes. Example: // Create a Main class public class Main { int x; // Create a class attribute	split()	Splits a string into an array of substrings
	<u>startsWith()</u> subSequence()	Checks whether a string starts with specified characters Returns a new character sequence that is a subsequence of this sequence
	substring() toCharArray()	Returns a new string which is the substring of a specified string Converts this string to a new character array
<pre>// Create a class constructor for the Main class public Main() {</pre>	toLowerCase()	Converts a string to lower case letters
<pre>x = 5; // Set the initial value for the class attribute x }</pre>	toString() toUpperCase()	Returns the value of a String object Converts a string to upper case letters
<pre>public static void main(String[] args) { Main myObj = new Main(); // Create an object of class Main (This will call the constructor) System.out.println(myObj.x); // Print the value of x } }</pre>	trim(). valueOf() charAt(). indexOf()	Removes whitespace from both ends of a string Returns the string representation of the specified value Returns the character at the specified index (position) Returns the position of the first found occurrence of specified characters in a string
Contact us via: Student Affairs Building, 2nd floor (954) 262-8350 (954) 262-8350 (100) Insultic Onsultic Onsulti Onsultic Onsult	lastIndexOf() length()	Returns the position of the last found occurrence of specified characters in a string Returns the length of a specified string