Java Character Class Cheat Sheet

String Creation

String str = "Hello";

String str2 = new String("World");

Common String Methods

length() - Returns the length of the string

charAt(int index) - Returns char at specified index

substring(int beginIndex) - Returns substring from index

substring(int beginIndex, int endIndex) - Substring between indexes

indexOf(String str) - Index of first occurrence

lastIndexOf(String str) - Last occurrence index

equals(Object another) - Checks string equality

equalsIgnoreCase(String another) - Case-insensitive equality

compareTo(String another) - Lexicographic comparison

contains(CharSequence s) - Checks if string contains sequence

String Modification Methods

toLowerCase() - Converts to lowercase

toUpperCase() - Converts to uppercase

trim() - Removes leading and trailing spaces

replace(char old, char new) - Replaces characters

replaceAll(String regex, String replacement) - Replaces using regex

concat(String str) - Concatenates strings

String Testing Methods

startsWith(String prefix) - Checks if starts with prefix

endsWith(String suffix) - Checks if ends with suffix

isEmpty() - Checks if string is empty

matches(String regex) - Matches regex pattern

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String Splitting and Conversion

split(String regex) - Splits string using regex

toCharArray() - Converts string to char array

valueOf(int i) - Converts int to string

String.valueOf(Object obj) - Object to string

Example Usage

String s = " Hello World! ";

System.out.println(s.length()); // 14

System.out.println(s.trim()); // "Hello World!"

System.out.println(s.toUpperCase()); // " HELLO WORLD! "

System.out.println(s.contains("World")); // true

System.out.println("abc".equalsIgnoreCase("ABC")); // true