# Vedlegg, Java API - utkast

**Klassen String**

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| **Modifier and Type** | **Method and Description** |
| char | [**charAt**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#charAt-int-)(int index)  Returns the char value at the specified index. |
| int | [**compareTo**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#compareTo-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) anotherString)  Compares two strings lexicographically. |
| boolean | [**equals**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#equals-java.lang.Object-)([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) anObject)  Compares this string to the specified object. |
| int | [**length**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#length--)()  Returns the length of this string. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html)[] | [**split**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#split-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex)  Splits this string around matches of the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum). |
| char[] | [**toCharArray**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toCharArray--)()  Converts this string to a new character array. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toLowerCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toLowerCase--)()  Converts all of the characters in this String to lower case using the rules of the default locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toString**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toString--)()  This object (which is already a string!) is itself returned. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toUpperCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toUpperCase--)()  Converts all of the characters in this String to upper case using the rules of the default locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**trim**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#trim--)()  Returns a string whose value is this string, with any leading and trailing whitespace removed. |

**Java.io:**

**Klassen FileReader**

**Constructor**

[**FileReader**](https://docs.oracle.com/javase/8/docs/api/java/io/FileReader.html#FileReader-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) fileName) throws [FileNotFoundException](https://docs.oracle.com/javase/8/docs/api/java/io/FileNotFoundException.html)

Creates a new FileReader, given the name of the file to read from.

**Klassen BufferedReader**

**Constructor**

[**BufferedReader**](https://docs.oracle.com/javase/8/docs/api/java/io/BufferedReader.html#BufferedReader-java.io.Reader-)([**Reader**](https://docs.oracle.com/javase/8/docs/api/java/io/Reader.html) in)

Creates a buffering character-input stream that uses a default-sized input buffer.

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| int | [**read**](https://docs.oracle.com/javase/8/docs/api/java/io/BufferedReader.html#read--)()  Reads a single character. |
| void | [**close**](https://docs.oracle.com/javase/8/docs/api/java/io/BufferedReader.html#close--)**()**  **Closes the stream and releases any system resources associated with it.** |
| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**readLine**](https://docs.oracle.com/javase/8/docs/api/java/io/BufferedReader.html#readLine--)**()**  **Reads a line of text.** |

Klassen FileWriter

Konstruktør

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| **protected** | [FilterWriter](https://docs.oracle.com/javase/8/docs/api/java/io/FilterWriter.html#FilterWriter-java.io.Writer-)([Writer](https://docs.oracle.com/javase/8/docs/api/java/io/Writer.html) out, boolean append) throws IOException  Constructs a FileWriter object given a File object. If the second argument is true, then bytes will be written to the end of the file rather than the beginning. |

**Klassen BufferedReader**

Konstruktør

[**BufferedWriter**](https://docs.oracle.com/javase/8/docs/api/java/io/BufferedWriter.html#BufferedWriter-java.io.Writer-)([**Writer**](https://docs.oracle.com/javase/8/docs/api/java/io/Writer.html) out)

Creates a buffered character-output stream that uses a default-sized output buffer

**Klassen PrintWriter**

Konstruktør

[**PrintWriter**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#PrintWriter-java.io.OutputStream-)([**OutputStream**](https://docs.oracle.com/javase/8/docs/api/java/io/OutputStream.html) out)

Creates a new PrintWriter, without automatic line flushing, from an existing OutputStream.

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| void | [**close**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#close--)**()**  **Closes the stream and releases any system resources associated with it.** |
| void | [**flush**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#flush--)**()**  **Flushes the stream.** |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-boolean-)(boolean b)  Prints a boolean value. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-char-)(char c)  Prints a character. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-char:A-)(char[] s)  Prints an array of characters. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-double-)(double d)  Prints a double-precision floating-point number. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-float-)(float f)  Prints a floating-point number. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-int-)(int i)  Prints an integer. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-long-)(long l)  Prints a long integer. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-java.lang.Object-)([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) obj)  Prints an object. |
| void | [**print**](https://docs.oracle.com/javase/8/docs/api/java/io/PrintWriter.html#print-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) s)  Prints a string. |

**javax.swing:**

**Klassen JOptionPane**

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| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**showInputDialog**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#showInputDialog-java.lang.Object-)([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) message)  Shows a question-message dialog requesting input from the user. |
| static int | [**showConfirmDialog**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#showConfirmDialog-java.awt.Component-java.lang.Object-)**(**[**Component**](https://docs.oracle.com/javase/8/docs/api/java/awt/Component.html)**parentComponent,**[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)**message)**  **Brings up a dialog with the options Yes, No and Cancel; with the title, Select an Option.** |
| static void | [**showMessageDialog**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#showMessageDialog-java.awt.Component-java.lang.Object-)([**Component**](https://docs.oracle.com/javase/8/docs/api/java/awt/Component.html) parentComponent,[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) message)  Brings up an information-message dialog titled "Message". |
| static int | [**showOptionDialog**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#showOptionDialog-java.awt.Component-java.lang.Object-java.lang.String-int-int-javax.swing.Icon-java.lang.Object:A-java.lang.Object-)**(**[**Component**](https://docs.oracle.com/javase/8/docs/api/java/awt/Component.html)**parentComponent,**[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)**message,**[**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html)**title, int optionType, int messageType,**[**Icon**](https://docs.oracle.com/javase/8/docs/api/javax/swing/Icon.html)**icon,**[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)**[] options,**[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)**initialValue)**  **Brings up a dialog with a specified icon, where the initial choice is determined by the initialValue parameter and the number of choices is determined by the optionTypeparameter.** |
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| static int | [**YES\_NO\_CANCEL\_OPTION**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#YES_NO_CANCEL_OPTION)  **Type used for showConfirmDialog.** |
| static int | [**YES\_NO\_OPTION**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#YES_NO_OPTION)  **Type used for showConfirmDialog.** |
| static int | [**YES\_OPTION**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#YES_OPTION)  **Return value from class method if YES is chosen.** |
| static int | [**NO\_OPTION**](https://docs.oracle.com/javase/8/docs/api/javax/swing/JOptionPane.html#NO_OPTION)  **Return value from class method if NO is chosen.** |