Semination Sympa	Class Drawartins	T	A	مامورال	Fundamation
Monitary Production	Class Properties	Туре	Access	default	Explanation
International Process Parameter Para	-		,		
defaultipmentOfficionment purificiants purifi	defaultHasHeaderLine	boolean	public static	false	
desirably-reside/focus desirably de	defaultAllowErrorOutput	boolean	public static	true	
defaulP-inititation Decision	defaultIgnoreOutOfBounds	boolean	public static	true	
Protected Properties Type	defaultIgnoreDiffColumns	boolean	public static	true	
corrOutputComponent If Indicator Component If In this is defined, arrow will written to this corroctions. dataTable Arroy Land-String[o] postected row Array which all the data lines. Might includ header as first element. Internation Type Access default Explanation INTERIOR Siring separator) default Separator Separator between two column entries in a CSV data in collection of the control of the collection (pice for their separator lipp value and them as added. numColumn information concern currOctume() 0 Column spot or the last line that was added. allowErroCutoput bookean allowErroCutoput. default false between two column entries in a CSV data in an added. genroCutOfficunds bookean genroCutoput. default false between two columns and added. genroCutofficunds bookean genroCutoput. default false between two columns and added. genroCutofficunds bookean genroCutoput. default false between two columns and added. genroCutofficulation power power false power false between two columns and the last land. International columns and the last land. genroCutofficulation	defaultPrintStackTrace	boolean	public static	true	If true, exception stack trace will be sent to System out.
Constitutions	Protected Properties	Туре	Access	default	Explanation
Instance Properties Type	errorOutputComponent	JTextComponent	protected	null	,
File Tile Tile String	dataTable	ArrayList <string[]></string[]>	protected	new	Array with all the data lines. Might includ header as first element.
separator String separator String separator String defaultSeparator Separator between two column entries in a CSV data line. numColumns int numColumns 10	Instance Properties	Туре	Access	default	Explanation
mmmColumns	file	File	file()	constructor parameter	CSV file currently used for reading/writing by the instance.
hasheded-line boolean hasheded-line() defaulthise/lesderLine If true, the class will notify you about any genos. allowErroCutiput boolean allowErroCutiput() defaulthisovErroCutiput If true, the class will notify you about any genos. ignoreOutOfBounds boolean ignoreOutOfBounds() defaultignoreOutOfBounds if true, outOfBounds(stoceptons will be lignored. If false, the exceptions will be lighted the exception will be lighted. If false, the exception will be lighted the exception will be lighted the exception will be proportion. If the exception will be proportion to exception will be proportion. If the exception will be proportion to exception will be proportion. If the exception will be proportion to exception will be proportion. If the exception will be proportion. If the exception will be proportion to exception will be proportion. If the exception w	separator	String	separator()	defaultSeparator	,
	numColumns	int	numColumns()	0	Column size of the last line that was added.
Improve Out Of Bounds	hasHeaderLine	boolean	hasHeaderLine()	defaultHasHeaderLine	If true, the first line in dataTable is threaten as header.
In riske, the exceptions will be threaten as errors. The methods don't care of NulPointerExceptions. IgnoreDiffColumns IgnoreDiffColumns Interest the class will notify you about different columns when additional to a said dot to the detail bible. However, the class can handle it.	allowErrorOutput	boolean	allowErrorOutput()	defaultAllowErrorOutput	
Constructors	ignoreOutOfBounds	boolean	ignoreOutOfBounds()	defaultIgnoreOutOfBounds	If false, the exceptions will be threaten as errors.
CSVManager Dublic String / file, (opt.) String First parameter: File object or String giving the path name for the CSV file. CSV	ignoreDiffColumns	boolean	ignoreDiffColumns()	defaultIgnoreDiffColumns	
Setter Methods Type Access Parameter Explanation Setter Methods Setter Setter Setter Methods Setter Setter Methods Setter Se	Constructors				
setSeparator void public String Changes the column separator used in input & output. setFile void public Doolean Change if the first line is threaten as header. setFile void public File / String You can call this with a file object or a string for the path. setCluptutComponent void public Jiest Component Definistion Methods Type Access Explanation InitDefaults void protected Sets instances properties to their default value stored in default properties. resetOutputComponent void public Sets instances properties to their default value stored in default properties. resetOutputComponent void public Sets instances properties to their default value stored in default properties. resetOutputComponent void public Sets errorOutputComponent to null. resetData void public Cereates a new, clean dataTable and sets numColums to 0. Operating Methods (IO) Type Access Parameter Explanation readCSV boolean public (opt.) boolean Read site current file and adds data into the dataTable. Call it with the to delete existing data before reading. Data Parameter to the lot operation was successful. writeCSV boolean public (opt.) boolean Writes the tata in dataTable to the current file. Call it with the 10 operation was successful. Operating Methods (Editing) Type Access Parameter Explanation Operating Methods (Editing) Type Access Parameter Explanation oddDataLine void public (opt.) int, String[] Adds all elements of the String filed as new line to dataTable. The Unit operation was successful. oddDataLine void public (opt.) int, List-String[] Splits the String using the defined separator and calls addDataLine for each String[] element of the list. You may send optional integer index giving the position. addCSVLine void public (opt.) int, List-String Splits the String using the defined separator and calls addDataLine or said String element of the list. You may send protonal integer index giving the position. addHeaderDataLine void public String Splits the String given for each String filed as neader into to dataTable. Th		CSVManager	public	String / file, (opt.) String	CSV file.
setHasSetHeaderLine void public boolean Change if the first line is threaten as header. setFile void public File / String You can call this with a file object or a string for the path. setOutputComponent void public JExtComponent Defines an error/outputComponent. resetOutputComponent void public Sets instances properties to their default value stored in default properties. resetOutputComponent void public Sets error/outputComponent to rull. resetOats void public Creates a new, clean data Table and sets numColums to 0. Operating Methods (IO) Type Access Parameter Explanation readCSV boolean public (opt.) boolean Parameter Explanation writeCSV boolean public (opt.) boolean Writes the fine data is added to existing data before reading. Default with rure to use the append option when writing. Default read data is added to the current file. Gata. Returns true if the IO operation was successful. Operating Methods (Editing) Type Access Parameter Explanation Operating Methods (Editing) public<	Setter Methods	Туре	Access	Parameter	Explanation
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	addIntegerLine	void	public	(opt.) int, int[]	
	addIntegerLines	void	public	(opt.) int, List <int[]></int[]>	

addDoubleLine	void	public	(opt.) int, double[]	Adds all elements of the double field as new line to dataTable. You may send an optional integer index giving the position.
addDoubleLines	void	public	(opt.) int, List <double[]></double[]>	Calls addDoubleLine for each String[] element of the list. You may send an optional integer index giving the position.
removeLine	boolean	public	int / String[]	Removes the line at the given integer index or removes the given String[] if the dataTable contains it. Returns true if the element was removed or false if the element could not be found.
removeHeaderLine	boolean	public	_	If hasHeaderLine = true and there is at least one line in the dataTable, the header line is removed from the dataTable Returns true in this case, otherwise it returns false. HasHeaderLine is set to false if removing was successful.
Access Methods	Туре	Access	Parameter	Explanation
size	int	public	_	Returns the size of the dataTable (Java List method).
numLines	int	public	-	Returns the amount of data lines in dataTable without header.
numColumnsInLine	int	public	int	Returns the amount of columns in the line at the given index in the dataTable.
Access Methods (To String)	Туре	Access	Parameter	Explanation
headerToString	String	public	-	Returns the header as CSV line containing the defined separator.
lineToString	String	public	int	Returns the line at the given index in the dataTable as CSV line containing the defined separator. Index 0 always addresses the first data line, never the header.
toString	String	public	_	Returns the dataTable as CSV lines with \n in between.