

Package plmCSV



oRis language

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The oRis logo was drawn by Pierre Le Muzic and was directly inspired from the original logo.

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Package name : * plmCSV *

Description : Comma separated values file management

Files list : plmCSV.pkg, plmCSV.imp, testcsv.ors

Classes names : Csvlib

Homepage : <http://portail.langage.oris.free.fr/paquetages.php>

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Attributes

string [] _datatable; array which contains the CSV lines

int _size; size of the datatable

string _csvchar; the csv char separator, default is ", "

Properties (overview)

INITIALISATION

new // constructor

delete // destructor

GETTING INFORMATION

getCsvChar // return the current csv character

getSize // return the number of lines in the datatable

getData // return the content of the datatable

DATA MANIPULATION

setCsvChar // modify the current csv character

clearData // delete the data from datatable at the specified *index*

clearAllData // delete all the data in the datatable

appendData // append a csv line in the datatable at the specified position

insertData // insert a *csv line* in the datatable at the specified *index*

sortData // apply a sort on the data in the datatable

TRANSFORMATION

listToCsv // move a values list to a CSV line
csvToList // move a CSV line (string) to a values list
matrixToCsv // move a string matrix to a string list
CsvToMatrix // move a string list to a string matrix

INPUT/OUTPUT

write // write all the csv data lines on the file filename
writeLines // Write the csv data lines contained in the datatable
read // read the filename and return the content in a list of string
readLines // read the lines in the file filename
load // read the file filename and load the content in a the datatable

Properties

void new(void); // constructor

The constructor make a new Csvlib object.

_datatable is set to an empty array of array .

_size is set to 0.

_csvchar is defined to the character ",".

void delete(void); // destructor

The destructor is empty but it is implicate.

string getCsvChar ();

Return the current CSV character used by the current instance of the object Csvlib.

The result is a string because there is no char type in oRis.

```
int getSize ();
```

Return the number of lines inside the _datatable.

```
string [] getData();
```

Return the content of the _datatable as an array of string.

```
void clearData (int index);
```

Delete the data from the _datatable at the specified index.

```
void clearAllData (int index1, int index2);
```

Delete all the data from the _datatable between the index 1 and the index 2.

```
void appendData (string csvline, string position);
```

Append the csv line csvline to the _datatable at the specified position (begin or end).

```
void insertData (string csvline, int insert);
```

insert the csv line csvline into the _datatable at index insert.

```
void sortData (string order);
```

Apply a sort on the the data in the _datatable.

```
void write (string filename);
```

Write all the csv data lines, contained in the _datatable to the file filename.

```
void writeLines (string filename, int index1, int index2, bool append);
```

Write the csv data lines contained in the _datatable, between the index index1 and index2 to the file filename. If append is true, the content of the file will be added to the end of the file, otherwise (false) the file will be replaced by the new content.

```
string [] read (string filename);
```

Read the file filename, line per line, and return the content in a list of string.

```
string [] readLines (string filename, int index, int numberofline);
```

Read the lines between index and (index + numberofline) from the file filename and return the content in a list of string.

```
void load (string filename);
```

Read the file filename line per line and load the content into the _datatable.

```
void setCsvChar (string char);
```

Modify the current csv character (default is comma ",") by the new character char.

```
string listToCsv (string [] list);
```

Move a values list to a CSV line (string) using the separator csvchar to join the values.

```
string [] csvToList(string csv_line);
```

Move a CSV line (string) to a values list using the separator csvchar to disjoin the line values.

```
string [] matrixToCsv(string [][] matrix);
```

Move a string matrix to a string list using the separator csvchar to join the strings.

```
string [][] CsvToMatrix(string [] csv_lines);
```

Move a string list to a string matrix using the separator csvchar to disjoin each line values.

Contributors

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