

## NAME

TextFilesToHTML.pl - Generate HTML table file(s) from TextFile(s)

## SYNOPSIS

TextFilesToHTML.pl ... TextFile(s)...

TextFilesToHTML.pl [-a, --align *left* | *center* | *right*,[*top* | *middle* | *bottom*]] [-b, --border *borderwidth*] [--cellpadding *padding*] [--cellspacing *spacing*] [--footer *string*] [-d, --displaylinks *top* | *bottom* | *both*] [--displaylinksinfo *line* | *table* | *both*] [-h, --help] [--headeralign *left* | *center* | *right*,[*top* | *middle* | *bottom*]] [--headercolor "*RRGGBB*"] [--highlight "*fieldlabel,datatype,criterion,value,[fieldlabel,datatype,criterion,value,...]*" [--highlightby *colnum* | *collabel*] [--highlightcolor "*RRGGBB,RRGGBB*"] [--highlightstyle *text* | *background*] [--indelim *comma* | *semicolon*] [-m, --mode *plain* | *shade* | *highlight* | *shadedhighlight*] [-n, --numrows *number*] [-o, --overwrite] [-r, --root *rootname*] [--stylesheet *old* | *new* | *none*] [--stylesheetname *filename*] [--shadecolor "*RRGGBB,RRGGBB*"] [-t, --title *string*] [--titledisplay *yes* | *no*] [-w, --workingdir *dirname*] TextFile(s)...

## DESCRIPTION

Generate HTML file(s) from *TextFile(s)*. The HTML file(s) contain data tables and appropriate navigational links to view other tables. These files can be generated for local viewing or deployment on a web server. A variety of options are provided to control style and appearance of tables.

Multiple *TextFile(s)* names are separated by spaces. The valid file extensions are *.csv* and *.tsv* for comma/semicolon and tab delimited text files respectively. All other file names are ignored. All the text files in a current directory can be specified by *\*.csv*, *\*.tsv*, or the current directory name. The *--indelim* option determines the format of *TextFile(s)*. Any file which doesn't correspond to the format indicated by *--indelim* option is ignored.

## OPTIONS

-a, --align *left* | *center* | *right*,[*top* | *middle* | *bottom*]

Horizontal and vertical alignment for table rows except for header row which is specified using *--headeralign* option. Possible horizontal alignment values: *left*, *center*, or *right*. Possible vertical alignment values: *top*, *middle*, or *bottom*.

Default values: *left,middle*

-b, --border *borderwidth*

Table border width. Default value: 1 for *plain* and *highlight* mode; 0 for *shade* and *shadedhighlight* mode. Zero indicates no border.

--cellpadding *padding*

Table cell padding. Default value: 2.

--cellspacing *spacing*

Table cell spacing. Default value: 1.

--footer *string*

Text string to be included at bottom of each HTML file. Default: none.

-d, --displaylinks *top* | *bottom* | *both*

Specify where to display navigation links in each HTML file for accessing all other HTML files. Possible values: *top*, *bottom*, or *both*. Default value: *both*. This option is only valid during multiple HTML files generation for an input file.

--displaylinksinfo *line* | *table* | *both*

Control display of additional information along with navigational links: Showing line *n* of *m* is displayed for line and showing table *n* of *m* for table. Possible values: *line* | *table* | *both*. Default: *both*. This option is only valid during multiple HTML files generation.

-h, --help

Print this help message

--headeralign *left* | *center* | *right*,[*top* | *middle* | *bottom*]

Horizontal and vertical alignment for table header rows. Possible horizontal alignment values: *left*, *center*, or *right*. Possible vertical alignment values: *top*, *middle*, or *bottom*.

Default values: *center,middle*

**--headercolor "#RRGGBB"**

Color used to fill background of table header row containing column labels represented as a hexadecimal string. None for *-m*, *--mode* option value of *plain* and *#ccccff*, light blue, for others.

**--highlight "fieldlabel,datatype,criterion,value,[fieldlabel,datatype,criterion,value],..."**

This value is mode specific. It specifies how to highlight various column values for each text file. Same set of quartets values are applied to all *TextFile(s)*.

For *highlightbycolnum* mode, input text format contains these quartets: *colnum,datatype,criterion,value,....*

Possible datatype values: *numeric* or *text*. Possible criterion values: *le*, *ge*, or *eq*. Examples:

"1,numeric,le,450>" or "2,numeric,ge,150,6,numeric,le,10".

For *highlightbycollabel* mode, input text format contains these quartets: *collabel,datatype,criterion,value,....*

**--highlightby colnum | collabel**

This value is mode specific. It indicates how columns to be highlighted are specified using *--highlight* option. Possible values: *colnum* or *collabel*. Default value: *colnum*.

**--highlightcolor "#RRGGBB,#RRGGBB"**

Colors used to highlight column values during *highlight* and *shadedhighlight* mode represented as hexadecimal strings.

For *--highlightstyle* option values of *text* and *background*, these colors represent text or background colors respectively. For a specific column, first color string is used for values which meet criterion indicated by *--highlight* option; the second color is used for rest of the values.

Default values for *background* *--highlightstyle*: *#0ff0f0*, *#ff0f0f*. And default values for *text*

*--highlightstyle*: *#0fbb0f*, *#ff0f0f*. Hexadecimal strings for both *--highlightstyle* colors correspond to *reddish* and *greenish*.

**--highlightstyle text | background**

This value is mode specific. It indicates highlight style used to differentiate column values which pass a specified criterion from others. Possible values: *text* or *background*. Default: *background*.

**--indelim comma | semicolon**

Input delimiter for CSV *TextFile(s)*. Possible values: *comma* or *semicolon*. Default value: *comma*. For TSV files, this option is ignored and *tab* is used as a delimiter.

**-m, --mode plain | shade | highlight | shadedhighlight**

Specify how to generate HTML table(s): plain tables with line borders, background of alternate rows filled with a specified color, column values highlighted using a specified criteria, or combination of previous two styles.

Possible values: *plain*, *shade*, *highlight*, or *shadedhighlight*. Default: *shade*.

**-n, --numrows number**

Maximum number of rows per table. Default value: *100*. Use 0 to put all rows into one table. For *TextFile(s)* with more than maximum number of specified rows, multiple HTML tables, with appropriate navigation links, are created.

**-o, --overwrite**

Overwrite existing files.

**-r, --root rootname**

New file or directory name is generated using the root: *<root>.html* or *<root>-html*. Default new file name: *<InitialTextFileName>.html*. Default directory name: *<InitialTextFileName>-html*.

For *TextFile(s)* with more than maximum number of rows specified per table, this directory tree is generated using *<Name>* where *<Name>* corresponds to *<root>* or *<InitialTextFileName>*: Top dir - *<Name>-html*; Sub dirs - *html* and *mols*. *<Top dir>* contains *<Name>.html* and *<Name>.css* files and *<sub dir>* *html* contains various *<Name>Lines<Start>To<End>.html* files; *<sub dir>* *mols* is created as needed and contains

This option is ignored for multiple input files.

**--stylesheet old | new | none**

Controls usage of stylesheet for newly generated HTML file(s). Possible values: *old*, *new*, or *none*. Default value: *new*.

Stylesheet file contains various properties which control appearance of HTML pages: type, size, and color of fonts; background color; and so on.

For *old* value, an existing stylesheet file specified by `--stylesheetname` option is used for each HTML file; no new stylesheet file is created. This option is quite handy for deploying HTML file(s) on a web server: assuming you specify a valid stylesheet file location relative to your WWWRoot, a reference to this stylesheet is added to each HTML file. For local deployment of HTML file(s), a complete path to a local stylesheet is fine as well.

For *create* value, a new stylesheet is created and reference to this local stylesheet is added to each HTML file. Use option `--stylesheetname` to specify name.

For *none* value, stylesheet usage is completely ignored.

#### `--stylesheetname filename`

Stylesheet file name to be used in conjunction with `-s --stylesheet` option. It is only valid for *old* value of `-s --stylesheet` option. Specify a valid stylesheet file location relative to your WWWRoot and a reference to this stylesheet is added to each HTML file. Example: `"/stylesheets/MyStyleSheet.css"`. Or a complete path name to a local stylesheet file.

For *create* value of `-s --stylesheet` option, a new stylesheet file is created using `-r --root` option. And value of `--stylesheetname` is simply ignored.

#### `--shadecolor "#RRGGBB,#RRGGBB"`

Colors used to fill background of rows during *shade* and *shadedhighlight* mode represented as a pair of hexadecimal string; the first and second color values are used for odd and even number rows respectively.

Default value: `"#ffffff,#e0e9eb"` - it's white and very light blue for odd and even number rows.

#### `-t, --title string`

Title for HTML table(s). Default value: `<TextFileName>`. For multiple input files, `-r --root` option is used to generate appropriate titles.

#### `--titledisplay yes / no`

Display title for HTML table(s). Possible values: *yes or no*. Default value: *yes*.

#### `-w, --workingdir dirname`

Location of working directory. Default: current directory.

## EXAMPLES

To generate HTML tables with rows background filled with white and greyish colors and navigation links on top and bottom of each page, type:

```
% TextFilesToHTML.pl -o Sample1.csv
```

To generate HTML tables with rows background filled with golden and greyish colors, navigation links on top and bottom of each page, 10 rows in each table, greyish header row color, and cell spacing of 1, type:

```
% TextFilesToHTML.pl -o -n 10 --headeralign "center" --headercolor
"#a1a1a1" --shadecolor "#ddd700,#d1d1d1" --cellspacing 1
Sample1.csv
```

To generate plain HTML tables with 10 rows in each table and navigation links only at the bottom, type:

```
% TextFilesToHTML.pl -o -n 10 --displaylinks bottom -m plain
Sample1.csv
```

To highlight values in column 3 using specified highlight criteria and fill in default background colors, type:

```
% TextFilesToHTML.pl -n 10 --highlight "3,numeric,le,450"
--highlightby colnum --highlightstyle background -m
shadedhighlight -o Sample1.csv
```

To highlight values in column MolWeight using specified highlight criteria, color the text using default colors, and add a footer message in every page, type:

```
% TextFilesToHTML.pl -n 4 --highlight "MolWeight,numeric,le,500"
--highlightby collabel --highlightstyle text -m shadedhighlight -o
--footer "Copyright (C) MayaChemTools" --cellspacing 1 Sample1.csv
```

#### AUTHOR

Manish Sud <msud@san.rr.com>

#### SEE ALSO

JoinTextFiles.pl, MergeTextFilesWithSD.pl, ModifyTextFilesFormat.pl, SplitTextFiles.pl, SortTextFiles.pl

#### COPYRIGHT

Copyright (C) 2018 Manish Sud. All rights reserved.

This file is part of MayaChemTools.

MayaChemTools is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.