

This simple sample document shows possibilities of the `handlecsv.lua` module.

Imagine, that CSV file `myfirstcsvexamplefile.csv` that I want to use for my print report has the so-called header (ie. the first line contains the names of each columns of the table) and the separator of columns is a semicolon.

When I need process this CSV file, then at first I have to load required module by command:

```
\usemodule[handlecsv-test] % this command load module into my source code
```

The module now needs to know, whether CSV file contain a header and to know which delimiter used to divide to separate columns. The default setting of the module library setting can be changed to suit my needs.

```
\setheader % this set a header flag i.e. CSV file has header in first line
\setsep{,} % change settings of default separator (this is ; semicolon)
```

Now I can open my CSV file for processing by the command:

```
\opencsvfile{myfirstcsvexamplefile.csv}
```

After opening the file I can find out a lot of useful information. eg typing of line:

```
The file \csvfilename\ has \numcols columns\ and \numrows\ rows (lines).
```

Lists message:

The file `myfirstcsvexamplefile.csv` has 12columns and 33 rows (lines).

DORECURSE

```
1/ 1- James
2/ 2- Josephine
3/ 3- Art
4/ 4- Lenna
5/ 5- Donette
6/ 6- Simona
7/ 7- Mitsue
8/ 8- Leota
9/ 9- Sage
10/ 10- Kris
11/ 11- Minna
12/ 12- Abel
13/ 13- Kiley
14/ 14- Graciela
```

15/ 15- Cammy  
 16/ 16- Mattie  
 17/ 17- Meaghan  
 18/ 18- Gladys  
 19/ 19- Yuki  
 20/ 20- Fletcher  
 21/ 21- Bette  
 22/ 22- Veronika  
 23/ 23- Willard  
 24/ 24- Maryann  
 25/ 25- Alisha  
 26/ 26- Allene  
 27/ 27- Chanel  
 28/ 28- Ezekiel  
 29/ 29- Willow  
 30/ 30- Bernardo  
 31/ 31- Ammie  
 32/ 32- Francine  
 33/ 33- Ernie

XX 1XX 2XX 3XX 4XX 5XX 6XX 7XX 8XX 9XX 10XX 11XX 12XX 13XX 14XX  
 15XX 16XX 17XX 18XX 19XX 20XX 21XX 22XX 23XX 24XX 25XX 26XX 27XX  
 28XX 29XX 30XX 31XX 32XX 33

XX

The filename `myfirstcsvexamplefilewithouthheader.csv` has 12 columns and 32 rows (lines).

1/ 1- Josephine  
 2/ 2- Art  
 3/ 3- Lenna  
 4/ 4- Donette  
 5/ 5- Simona  
 6/ 6- Mitsue  
 7/ 7- Leota  
 8/ 8- Sage  
 9/ 9- Kris  
 10/ 10- Minna  
 11/ 11- Abel  
 12/ 12- Kiley  
 13/ 13- Graciela  
 14/ 14- Cammy

15/ 15- Mattie  
 16/ 16- Meaghan  
 17/ 17- Gladys  
 18/ 18- Yuki  
 19/ 19- Fletcher  
 20/ 20- Bette  
 21/ 21- Veronika  
 22/ 22- Willard  
 23/ 23- Maryann  
 24/ 24- Alisha  
 25/ 25- Allene  
 26/ 26- Chanel  
 27/ 27- Ezekiel  
 28/ 28- Willow  
 29/ 29- Bernardo  
 30/ 30- Ammie  
 31/ 31- Francine  
 32/ 32- Ernie

První řádek obsahuje hlavičku ()

Stejně pro soubor bez hlavičky

The filename **myfirstcsvexamplefilewithemptylines.csv** has 12 columns and 40 rows (lines).

1/ 1- James  
 2/ 2- Josephine  
 3/ 3- Art  
 4/ 4- Lenna  
 5/ 5- Donette  
 6/ 6- Simona  
 7/ 7- Mitsue  
 8/ 8-  
 9/ 9- Leota  
 10/ 10- Sage  
 11/ 11- Kris  
 12/ 12-  
 13/ 13-  
 14/ 14- Minna  
 15/ 15- Abel  
 16/ 16-  
 17/ 17- Kiley

18/ 18- Graciela  
19/ 19- Cammy  
20/ 20-  
21/ 21- Mattie  
22/ 22- Meaghan  
23/ 23- Gladys  
24/ 24-  
25/ 25- Yuki  
26/ 26- Fletcher  
27/ 27- Bette  
28/ 28- Veronika  
29/ 29-  
30/ 30- Willard  
31/ 31- Maryann  
32/ 32- Alisha  
33/ 33- Allene  
34/ 34- Chanel  
35/ 35- Ezekiel  
36/ 36- Willow  
37/ 37- Bernardo  
38/ 38- Ammie  
39/ 39- Francine  
40/ 40- Ernie

#### LUACODE

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EMPTYTEST

1: NONEMPTY  
2: NONEMPTY  
3: NONEMPTY  
4: NONEMPTY  
5: NONEMPTY  
6: NONEMPTY  
7: NONEMPTY  
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9: NONEMPTY  
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36: NONEMPTY  
37: NONEMPTY  
38: NONEMPTY  
39: NONEMPTY  
40: NONEMPTY

#### NOTEMPTYTEST

1: NOTEMPTY  
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4: NOTEMPTY  
5: NOTEMPTY  
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8: NOTEMPTY  
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10: NOTEMPTY  
11: NOTEMPTY

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18: NOTEMPTY  
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31: NOTEMPTY  
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34: NOTEMPTY  
35: NOTEMPTY  
36: NOTEMPTY  
37: NOTEMPTY  
38: NOTEMPTY  
39: NOTEMPTY  
40: NOTEMPTY

FILELINEACTION EMPTY – NONEMPTY

EMPTY LINES ARE NOT MARKING ()

EMPTY LINES ARE MARKING

SETHEADER = ON

1 – 1/ 1- Butt  
2 – 2/ 2- Darakjy  
3 – 3/ 3- Venere  
4 – 4/ 4- Paprocki  
5 – 5/ 5- Foller

6 – 6/ 6- Morasca  
 7 – 7/ 7- Tollner  
 8 – 8/ 8-  
 9 – 9/ 9- Dilliard  
 10 – 10/ 10- Wieser  
 11 – 11/ 11- Marrier  
 12 – 12/ 12-  
 13 – 13/ 13-  
 14 – 14/ 14- Amigon  
 15 – 15/ 15- Maclead  
 16 – 16/ 16-  
 17 – 17/ 17- Caldarera  
 18 – 18/ 18- Ruta  
 19 – 19/ 19- Albares  
 20 – 20/ 20-  
 21 – 21/ 21- Poquette  
 22 – 22/ 22- Garufi  
 23 – 23/ 23- Rim  
 24 – 24/ 24-  
 25 – 25/ 25- Whobrey  
 26 – 26/ 26- Flosi  
 27 – 27/ 27- Nicka  
 28 – 28/ 28- Inouye  
 29 – 29/ 29-  
 30 – 30/ 30- Kolmetz  
 31 – 31/ 31- Royster  
 32 – 32/ 32- Slusarski  
 33 – 33/ 33- Iturbide  
 34 – 34/ 34- Caudy  
 35 – 35/ 35- Chui  
 36 – 36/ 36- Kusko  
 37 – 37/ 37- Figeroa  
 38 – 38/ 38- Corrio  
 39 – 39/ 39- Vocolka  
 40 – 40/ 40- Stenseth

0

40

40



FILELINEACTION EMPTY – NONEMPTY FILELINEACTION EMPTY – NON-  
EMPTY FILELINEACTION EMPTY – NONEMPTY

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

12

2

AAAAAAAAAAAAAAAAAAAAAAAAAAAA

ALL LINES WITH EVALUATING OF EMPTENIES

1– 1 : James  
2– 2 : Josephine  
3– 3 : Art  
4– 4 : Lenna  
5– 5 : Donette  
6– 6 : Simona  
7– 7 : Mitsue  
8– 9 : Leota  
9– 10 : Sage  
10– 11 : Kris  
11– 14 : Minna  
12– 15 : Abel  
13– 17 : Kiley  
14– 18 : Graciela  
15– 19 : Cammy  
16– 21 : Mattie  
17– 22 : Meaghan  
18– 23 : Gladys  
19– 25 : Yuki  
20– 26 : Fletcher  
21– 27 : Bette  
22– 28 : Veronika  
23– 30 : Willard  
24– 31 : Maryann  
25– 32 : Alisha  
26– 33 : Allene  
27– 34 : Chanel  
28– 35 : Ezekiel  
29– 36 : Willow  
30– 37 : Bernardo  
31– 38 : Ammie  
32– 39 : Francine

33- 40 : Ernie  
 34- : first\_name  
 35- : first\_name  
 36- : first\_name  
 37- : first\_name  
 38- : first\_name  
 39- : first\_name  
 40- : first\_name

BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB

ONLY NONEMPTY LINES

1- 1 : James  
 2- 2 : Josephine  
 3- 3 : Art  
 4- 4 : Lenna  
 5- 5 : Donette  
 6- 6 : Simona  
 7- 7 : Mitsue  
 8- 9 : Leota  
 9- 10 : Sage  
 10- 11 : Kris  
 11- 14 : Minna  
 12- 15 : Abel  
 13- 17 : Kiley  
 14- 18 : Graciela  
 15- 19 : Cammy  
 16- 21 : Mattie  
 17- 22 : Meaghan  
 18- 23 : Gladys  
 19- 25 : Yuki  
 20- 26 : Fletcher  
 21- 27 : Bette  
 22- 28 : Veronika  
 23- 30 : Willard  
 24- 31 : Maryann  
 25- 32 : Alisha  
 26- 33 : Allene  
 27- 34 : Chanel  
 28- 35 : Ezekiel  
 29- 36 : Willow

30– 37 : Bernardo  
 31– 38 : Ammie  
 32– 39 : Francine  
 33– 40 : Ernie

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

ONLY EMPTY LINES

1– 8 : EMPTY  
 2– 12 : EMPTY  
 3– 13 : EMPTY  
 4– 16 : EMPTY  
 5– 20 : EMPTY  
 6– 24 : EMPTY  
 7– 29 : EMPTY

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

trueEMPTY:8, 8EMPTY:12, 12EMPTY:13, 13EMPTY:16, 16EMPTY:20, 20EMPTY:24,  
 24EMPTY:29, 29NOEMPTY:1, 1NOEMPTY:2, 2NOEMPTY:3, 3NOEMPTY:4,  
 4NOEMPTY:5, 5NOEMPTY:6, 6NOEMPTY:7, 7NOEMPTY:9, 9NOEMPTY:10,  
 10NOEMPTY:11, 11NOEMPTY:14, 14NOEMPTY:15, 15NOEMPTY:17, 17NOEMPTY:18,  
 18NOEMPTY:19, 19NOEMPTY:21, 21NOEMPTY:22, 22NOEMPTY:23, 23NOEMPTY:25,  
 25NOEMPTY:26, 26NOEMPTY:27, 27NOEMPTY:28, 28NOEMPTY:30, 30NOEMPTY:31,  
 31NOEMPTY:32, 32NOEMPTY:33, 33NOEMPTY:34, 34NOEMPTY:35, 35NOEMPTY:36,  
 36NOEMPTY:37, 37NOEMPTY:38, 38NOEMPTY:39, 39NOEMPTY:40, 40