

D:\Test\us-500.csv - EmEditor

Edit Insert Convert Bookmarks Search View CSV S

Comma Sort

us-500.csv

	1	2	
1	"first_name"	"last_name"	"com
2	"Josephine2"	"test"	"Cha
3	"Art"	"venere"	"Che
4	"Lenna"	"Paprocki"	"Fel
5	"Donette"	"Foller"	"Pri
6	"Simona"	"Morasca"	"Cha
7	"Mitsue"	"Tollner"	"Mor
8	"Leota"	"Dilliard"	"Com
9	"Sage"	"wieser"	"Tru
10	"Kris"	"Marrier"	"Kin
11	"Minna"	"Amigon"	"Don
12	"Abel"	"Maclead"	"Ran
13	"Kiley"	"Caldarera"	"Fei
14	"Graciela"	"Ruta"	"Buc
15	"Cammy"	"Albares"	"Rou
16	"Mattie"	"Poquette"	"Cen
17	"Meaghan"	"Garufi"	"Bol
18	"Gladys"	"Rim"	"T M

Working with CSV in EmEditor

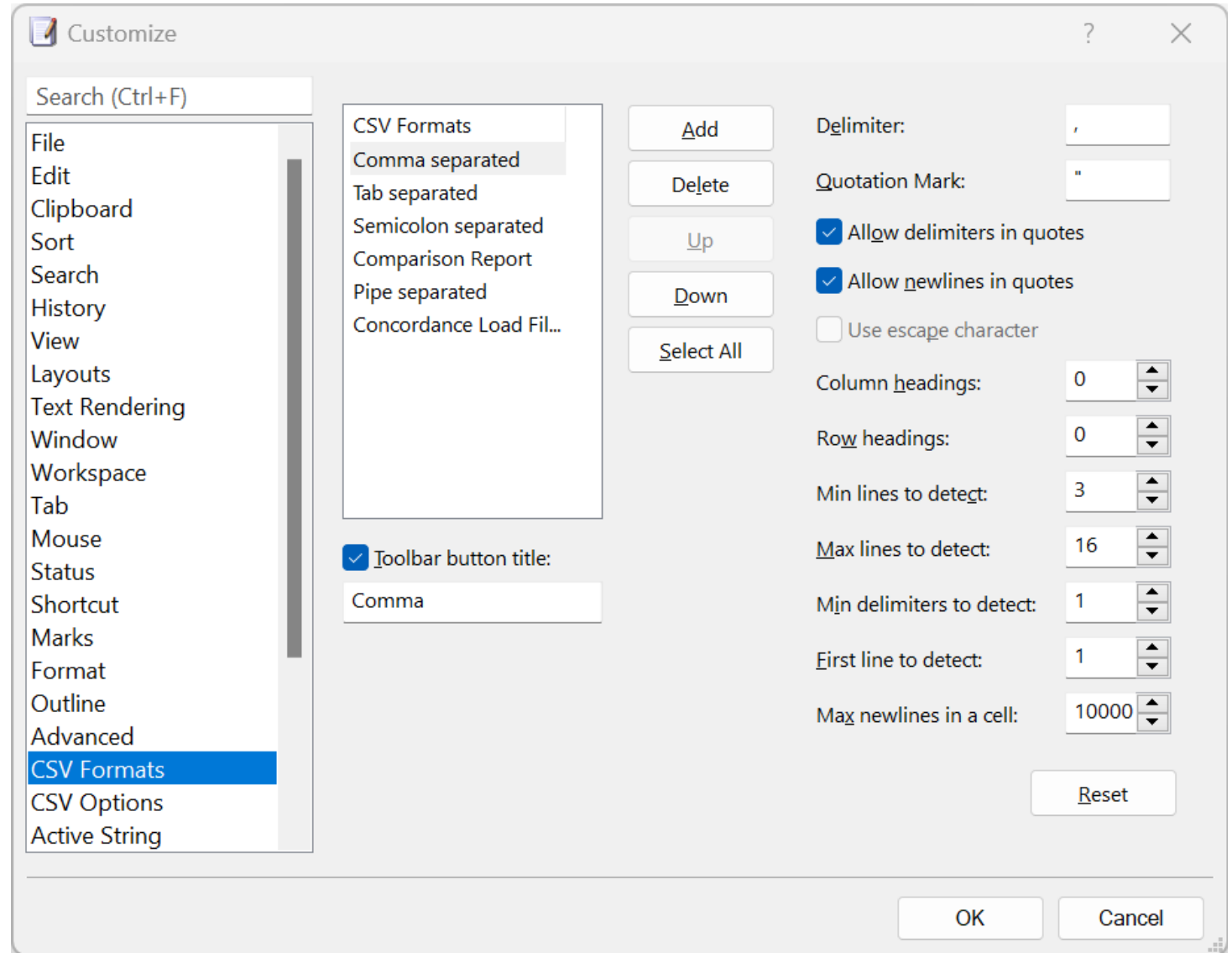
August 18, 2023

Yutaka Emura

Emurasoft, Inc.

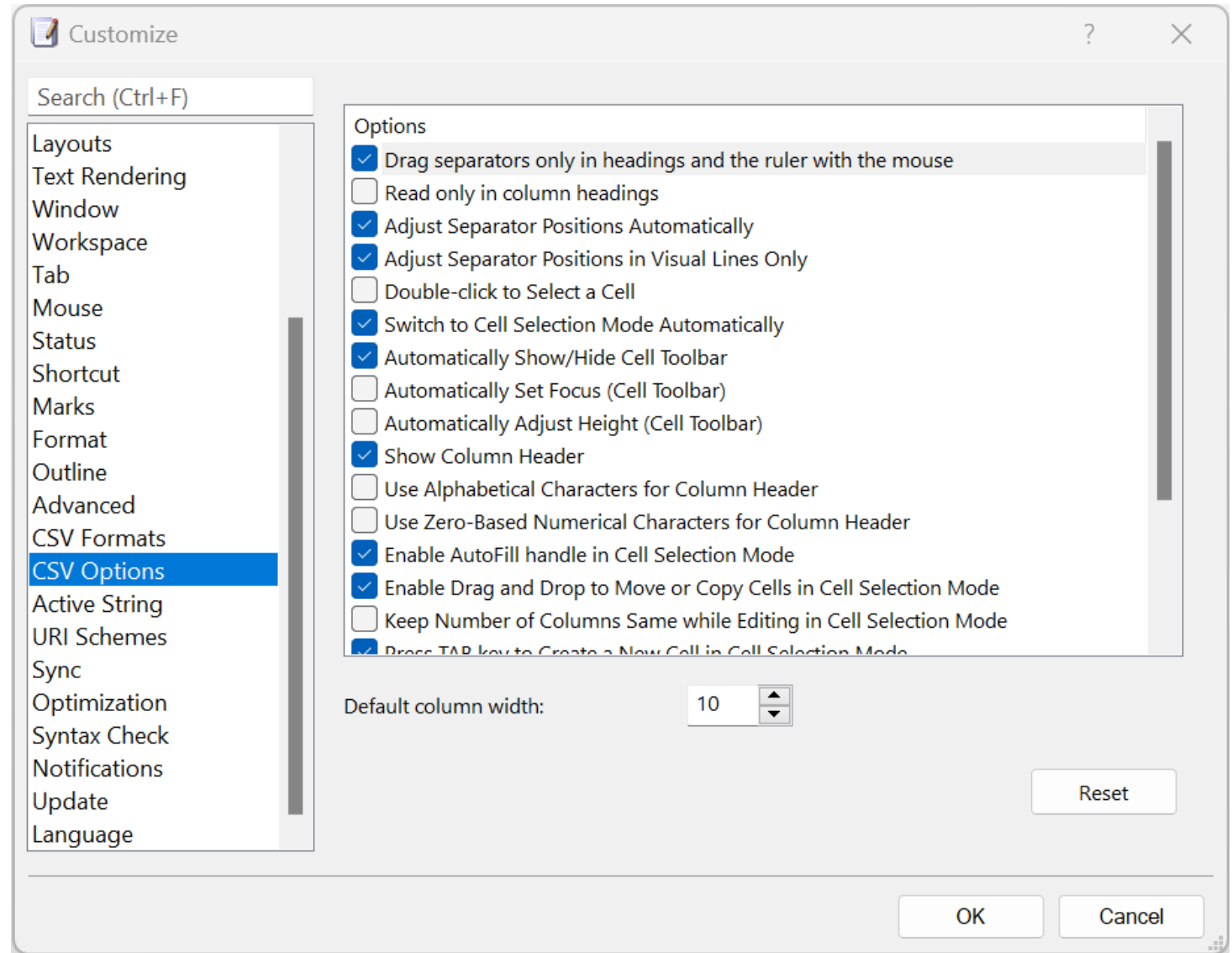
CSV Formats

- Define up to 64 CSV formats
- A delimiter up to 39 characters long



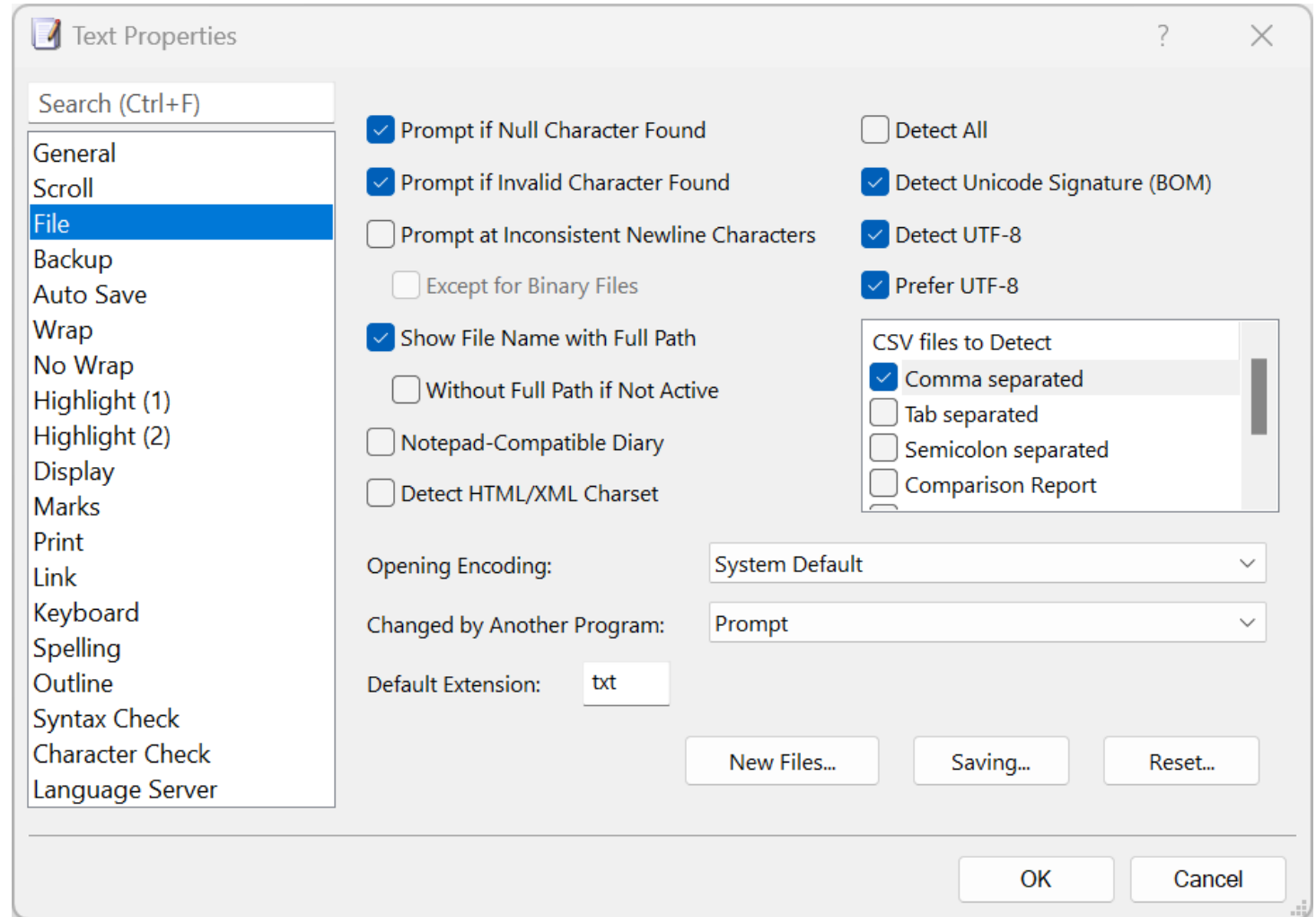
CSV Options

- Adjust separator positions automatically
- Automatically show/hide Cell toolbar




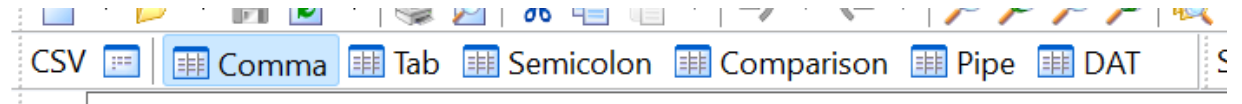
CSV files to Detect

- Select which CSV files to detect when a file is opened
- Can be set for each configuration (file type)

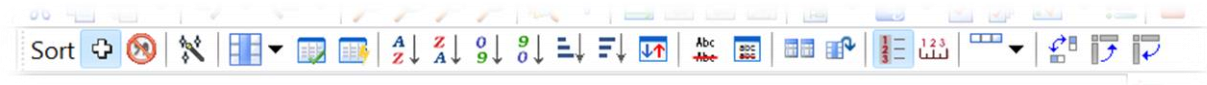



CSV Toolbar

- Set a correct CSV mode
- Click  to switch to Normal mode to work as a plain text editor.

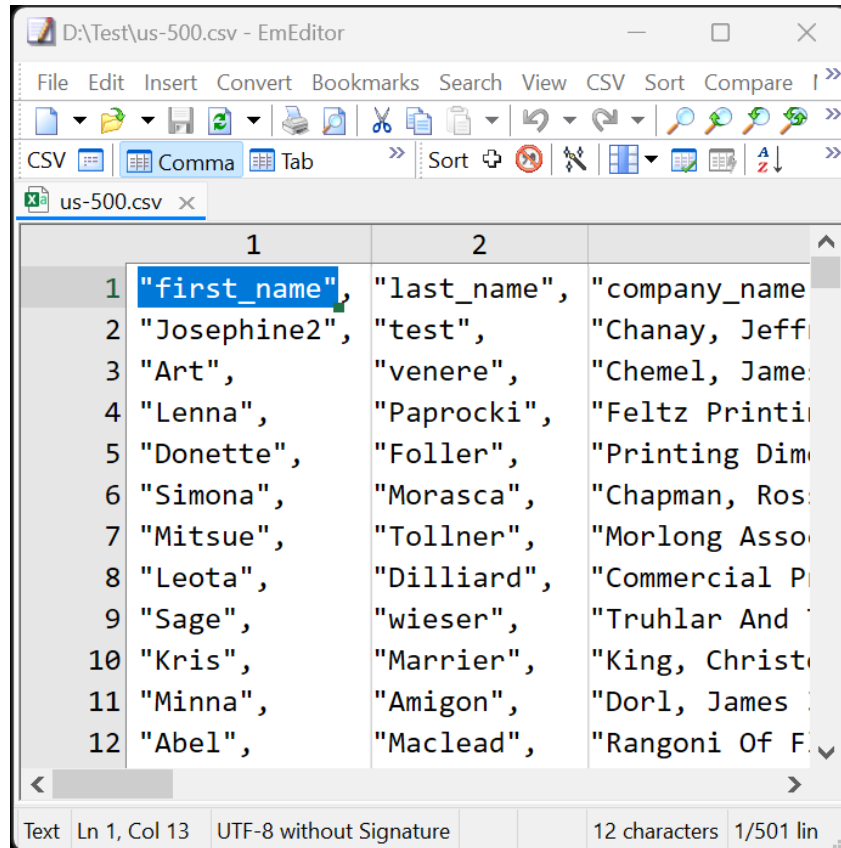


Sort Toolbar



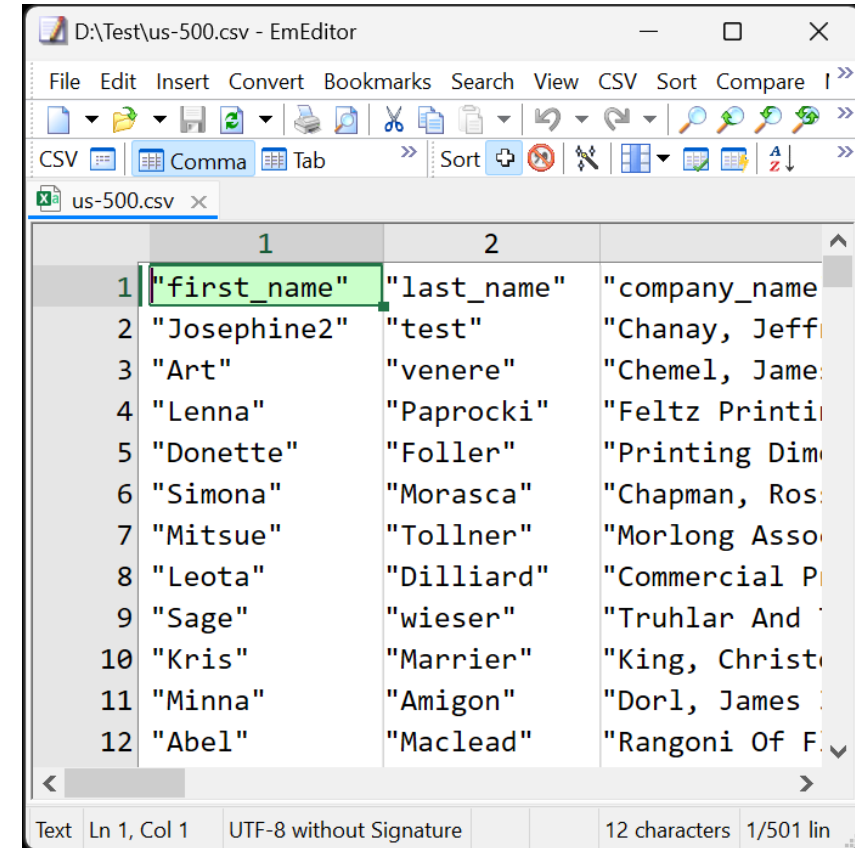
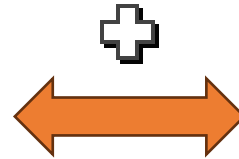
- Commands related to CSV and Sort
- Click  ▾ to show column/separator related commands

Cell Selection Mode



The screenshot shows the EmEditor interface with a CSV file named 'us-500.csv'. The 'CSV' menu is active, and the 'Comma' option is selected. The data is displayed in a table with three columns. The first cell, containing '"first_name"', is highlighted with a blue selection background.

	1	2	
1	"first_name"	"last_name"	"company_name"
2	"Josephine2"	"test"	"Chanay, Jeff"
3	"Art"	"venere"	"Chemel, Jame"
4	"Lenna"	"Paprocki"	"Feltz Printi"
5	"Donette"	"Foller"	"Printing Dim"
6	"Simona"	"Morasca"	"Chapman, Ros"
7	"Mitsue"	"Tollner"	"Morlong Asso"
8	"Leota"	"Dilliard"	"Commercial P"
9	"Sage"	"wieser"	"Truhlar And"
10	"Kris"	"Marrier"	"King, Christ"
11	"Minna"	"Amigon"	"Dorl, James"
12	"Abel"	"Maclead"	"Rangoni Of F"



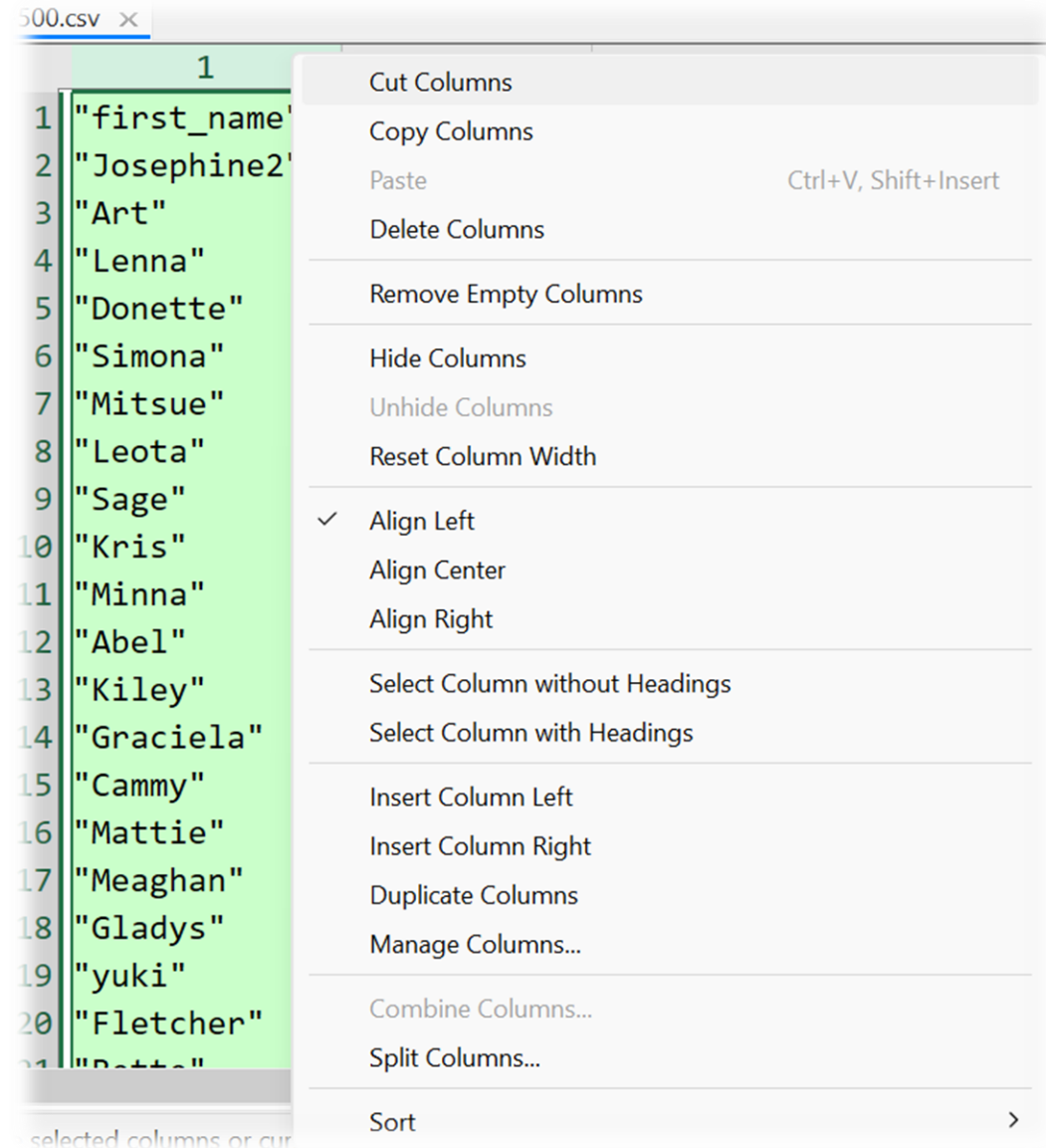
The screenshot shows the same EmEditor interface, but now the first cell, containing '"first_name"', is highlighted with a green selection background, indicating that Cell Selection Mode is active.

	1	2	
1	"first_name"	"last_name"	"company_name"
2	"Josephine2"	"test"	"Chanay, Jeff"
3	"Art"	"venere"	"Chemel, Jame"
4	"Lenna"	"Paprocki"	"Feltz Printi"
5	"Donette"	"Foller"	"Printing Dim"
6	"Simona"	"Morasca"	"Chapman, Ros"
7	"Mitsue"	"Tollner"	"Morlong Asso"
8	"Leota"	"Dilliard"	"Commercial P"
9	"Sage"	"wieser"	"Truhlar And"
10	"Kris"	"Marrier"	"King, Christ"
11	"Minna"	"Amigon"	"Dorl, James"
12	"Abel"	"Maclead"	"Rangoni Of F"

Click  or select CSV menu – Cell Selection Mode

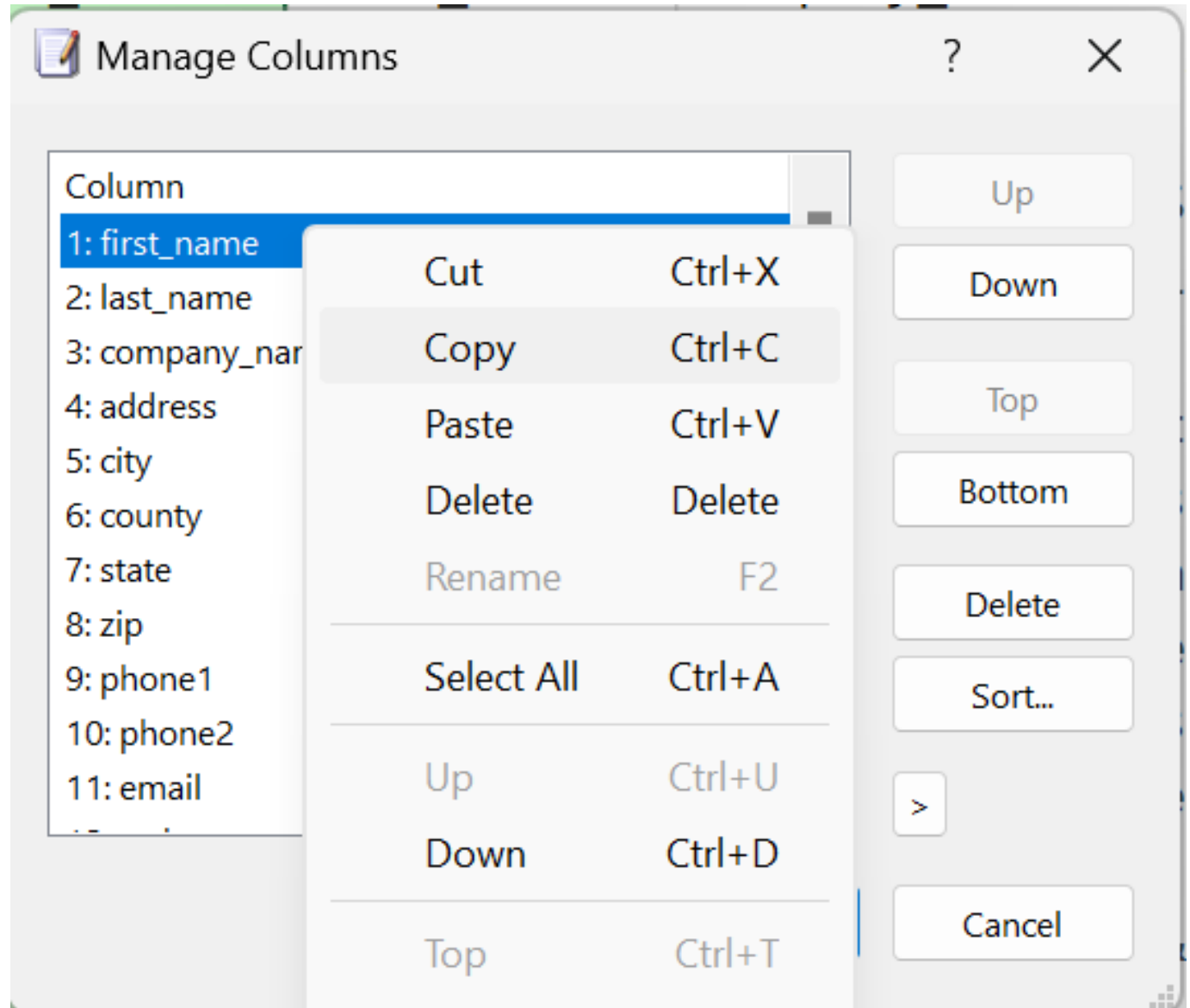
Right-click on Columns

- Cut, Copy, Delete Columns
- Show or Hide Columns
- Align Left, Center, or Right
- Insert Column Left or Right
- Duplicate, Manage, Combine, Split
- Sort Columns



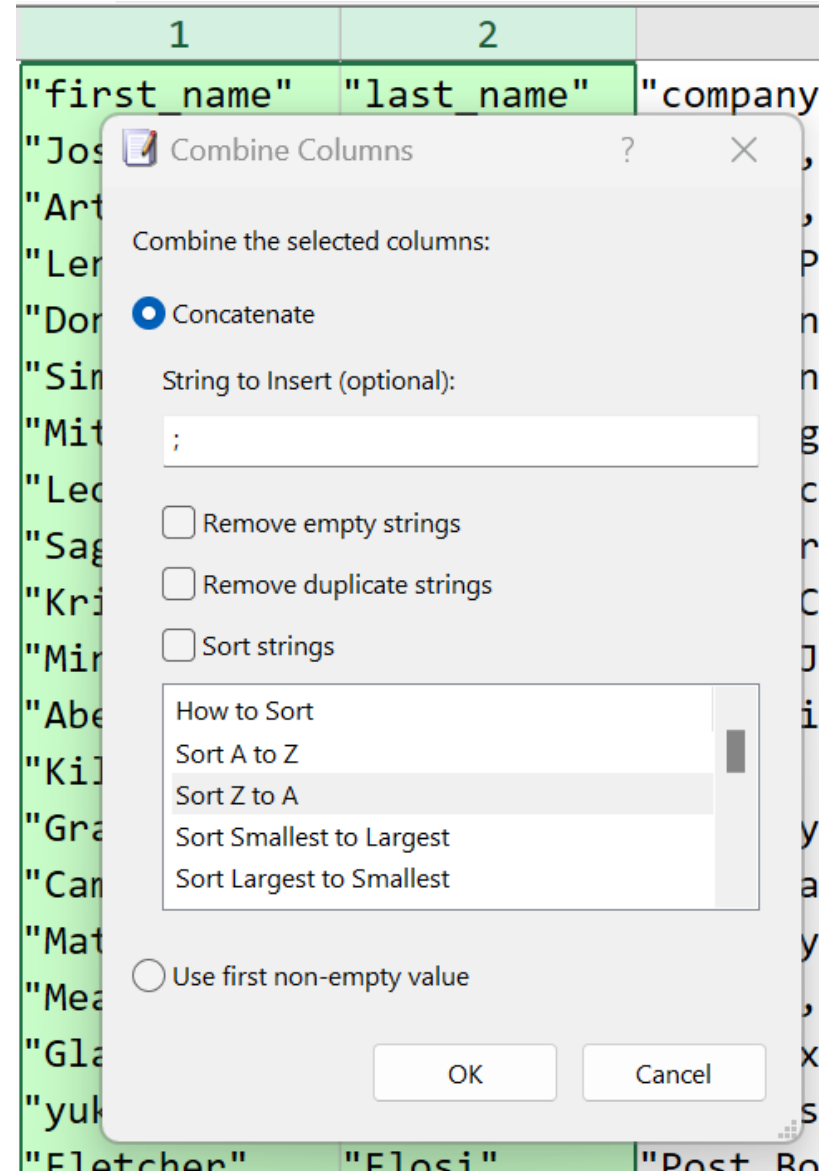
Manage Columns

- Change the order, sort, delete, and duplicate columns
- Right-click on a column to Copy and Paste
- Drag and drop a column to change the order



Combine Columns

- Select two columns, right-click, and select Combine Columns
- Concatenate or Use first non-empty value



Split Columns

- Split Columns into Columns or Lines
- Split Columns into (None) to remove duplicate split string or sort split strings only

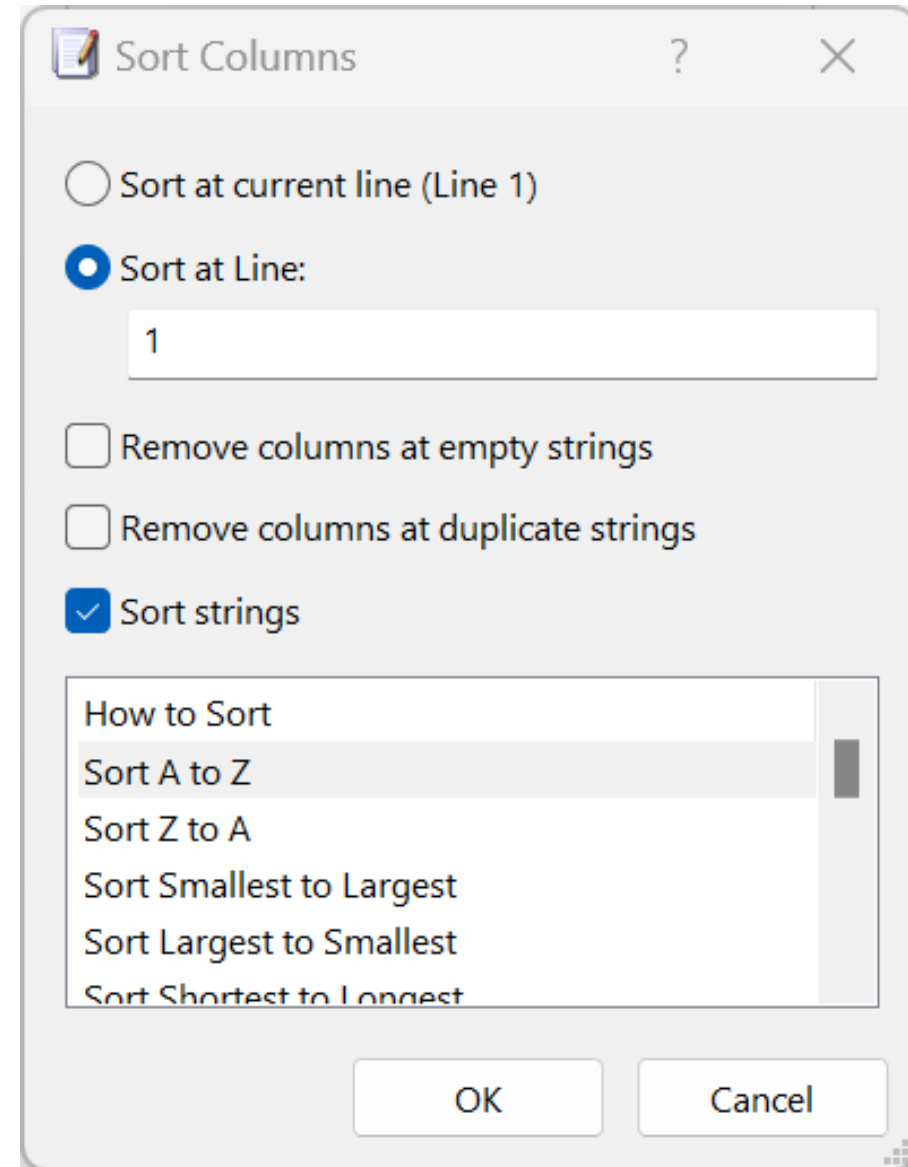
The screenshot shows a 'Split Columns' dialog box with the following settings:

- Columns:** A list of 13 columns. Column 3, 'full_name', is selected with a checkmark.
- Split the selected columns into:** The 'Columns' radio button is selected.
- Separator:** An empty text input field.
- Remove duplicate split strings:** An unchecked checkbox.
- Sort split strings:** An unchecked checkbox.
- How to Sort:** A dropdown menu with 'Sort A to Z' selected.
- Limit the number of splits:** An unchecked checkbox.
- Number of splits:** A spinner box set to 1.
- Discard extra strings:** A checked checkbox.
- Enable/Disable All:** A checked checkbox.

At the bottom right are 'OK' and 'Cancel' buttons.

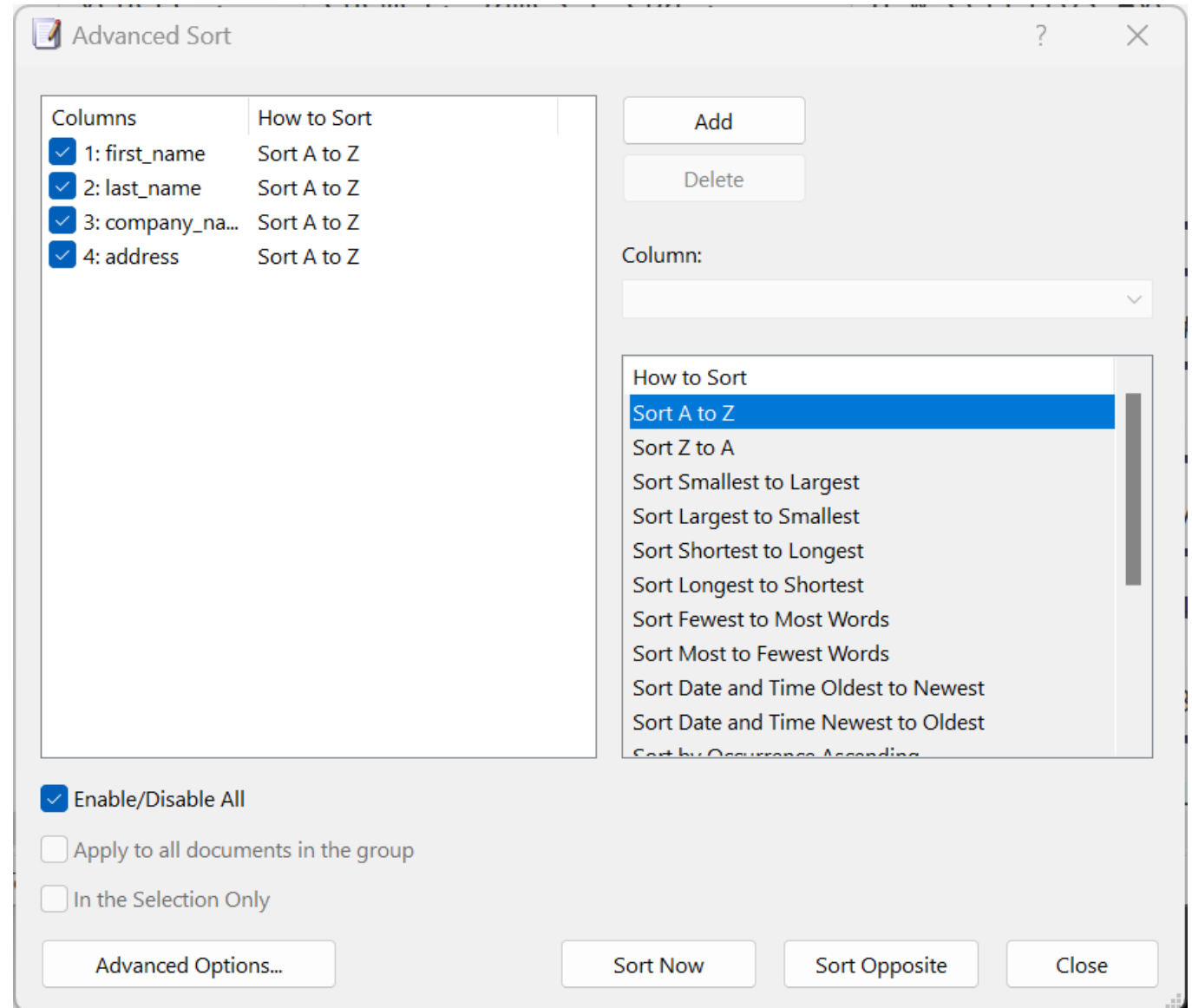
Sort Columns

Sort at current line or at a specified line



Advanced Sort

Sort rows by multiple columns



Flash Fill

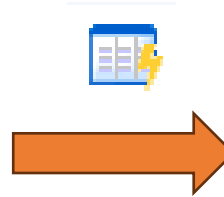
D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV Sort Co

CSV Comma >> Sort

us-500.csv test.csv * x

	1	2	3	Flash
1	First	Last	First Last↓	
2	Mary	Smith	↓	
3	Patricia	Johnson	↓	
4	Jennifer	Williams	↓	
5	Linda	Brown	↓	
6	Elizabeth	Garcia	↓	



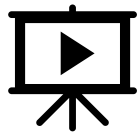
D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV Sort Compare M

CSV Comma >> Sort

us-500.csv test.csv * x

	1	2	3
1	First	Last	First Last↓
2	Mary	Smith	Mary Smith↓
3	Patricia	Johnson	Patricia Johnson↓
4	Jennifer	Williams	Jennifer Williams↓
5	Linda	Brown	Linda Brown↓
6	Elizabeth	Garcia	Elizabeth Garcia↓



[Watch Video](#)

Click  or select CSV menu – Advanced – Flash Fill

AutoFill

D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV So

CSV Comma Sort

us-500.csv test.csv *

	1	2	3
1	First	Last	ID↓
2	Mary	Smith	1↓
3	Patricia	Johnson	2↓
4	Jennifer	Williams	↓
5	Linda	Brown	↓
6	Elizabeth	Garcia	↓



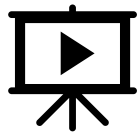
D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV Sort Co

CSV Comma Sort

us-500.csv test.csv *

	1	2	3
1	First	Last	ID↓
2	Mary	Smith	1↓
3	Patricia	Johnson	2↓
4	Jennifer	Williams	3↓
5	Linda	Brown	4↓
6	Elizabeth	Garcia	5↓
7	←		



[Watch Video](#)

Drag  or select Insert menu - AutoFill/AutoRepeat

Transpose

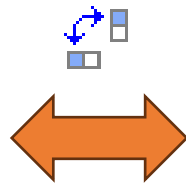
D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV Sort

CSV Comma Sort

us-500.csv test.csv * x

	1	2	3
1	First	Last	ID↓
2	Mary	Smith	1↓
3	Patricia	Johnson	2↓
4	Jennifer	Williams	3↓
5	Linda	Brown	4↓
6	Elizabeth	Garcia	5↓
7	←		



D:\Test\test.csv * - EmEditor

File Edit Insert Convert Bookmarks Search View CSV Sort Compare Macros Tools Plug-ins Window


CSV Comma Sort

us-500.csv test.csv * x

	1	2	3	4	5	6
1	First	Mary	Patricia	Jennifer	Linda	Elizabeth↓
2	Last	Smith	Johnson	Williams	Brown	Garcia↓
3	ID	1	2	3	4	5↓
4	←					

Click  or select CSV menu – Advanced – Transpose

Pivot Table

Click , or select CSV menu – Advanced – Pivot Table

Pivot Table

Type: Count

Decimal places: 0

Columns: 2: Types_Admin

Sort: Sort A to Z

Rows: 1: Control Number

Sort: Sort A to Z

☒ Total in columns

Grand Total

☒ Total in rows


Grand Total

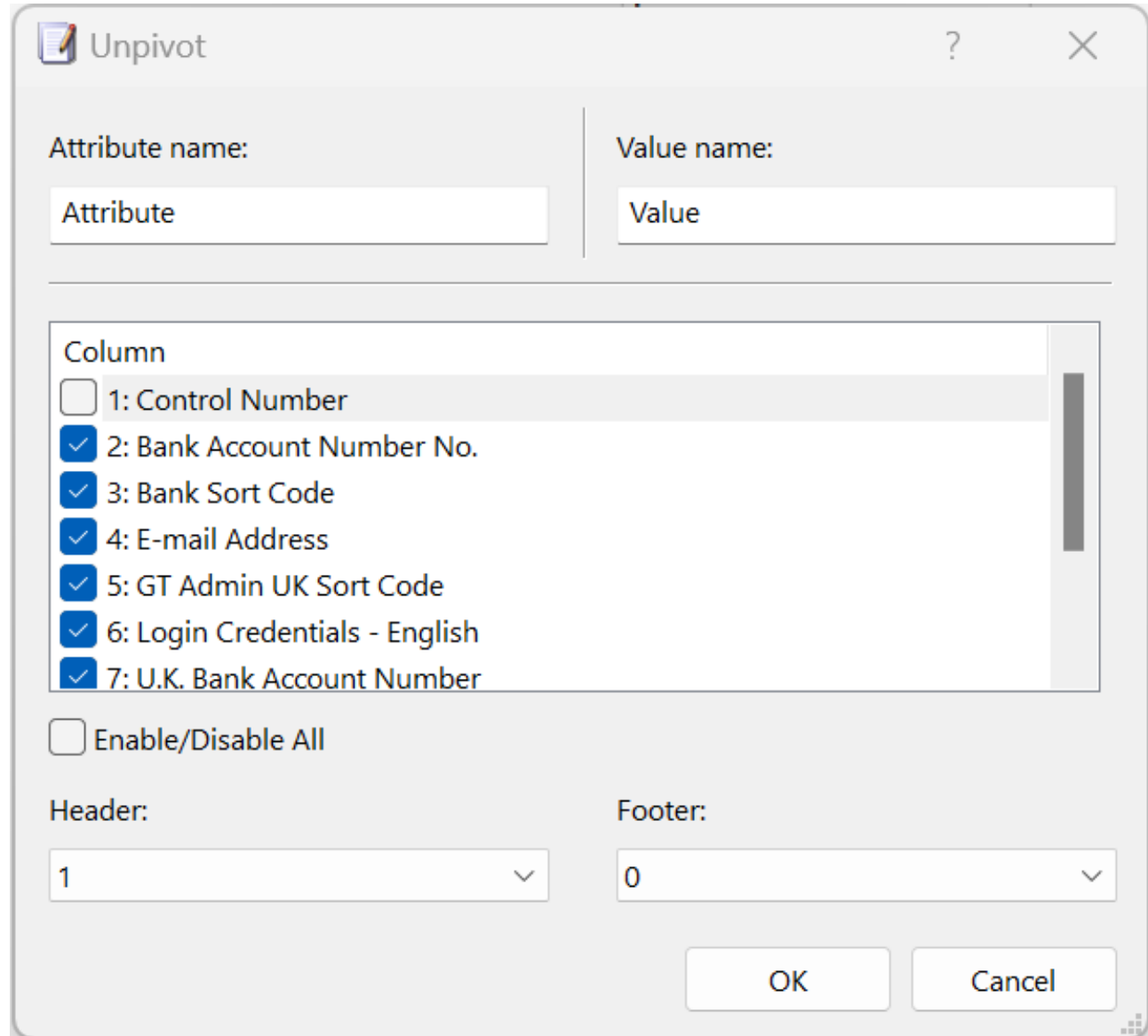
Values: 2: Types_Admin

Header: 1

OK Cancel

Unpivot


Click  or select CSV menu – Advanced – Unpivot

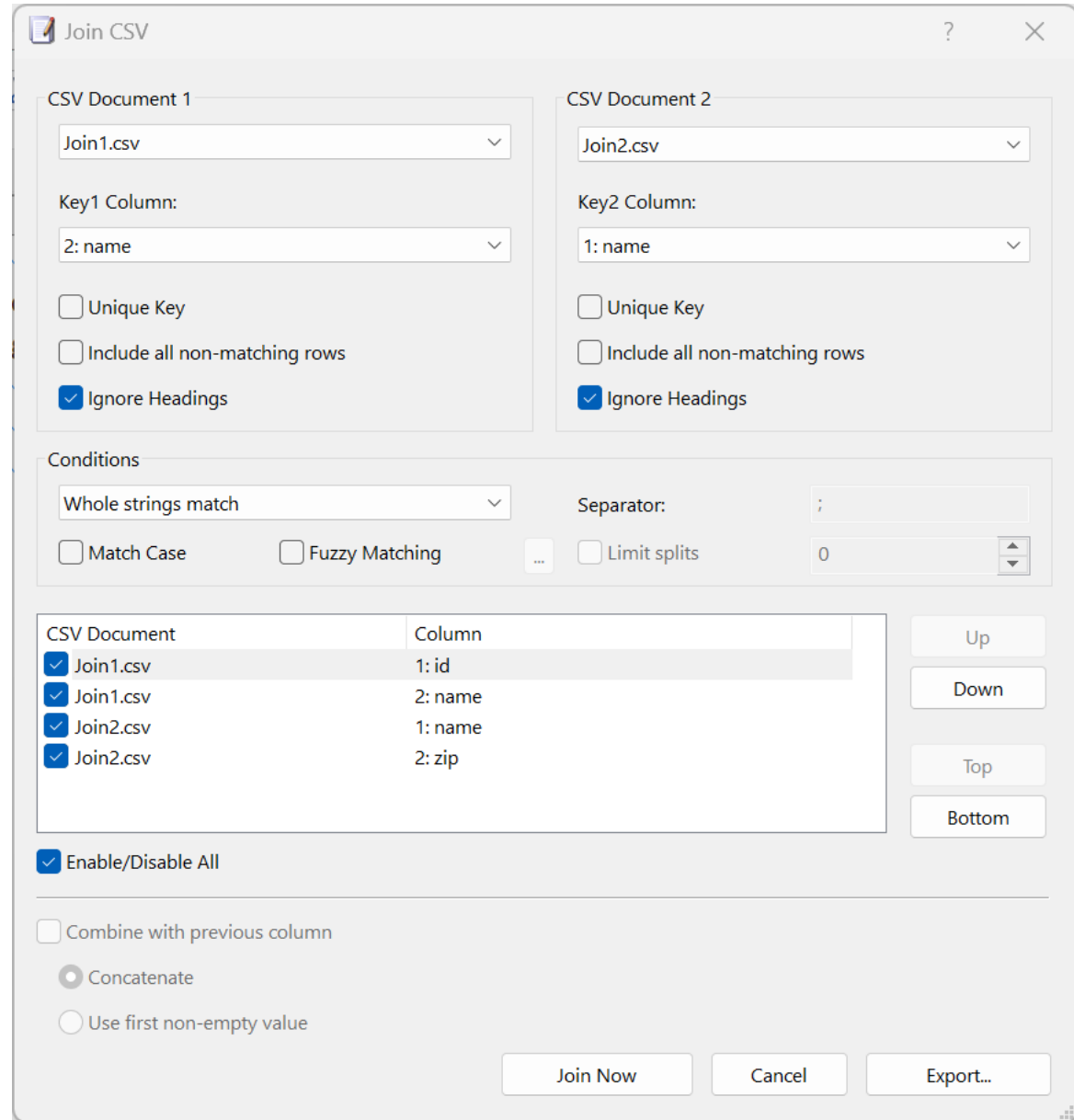


The Unpivot dialog box is shown with the following settings:

- Attribute name:** Attribute
- Value name:** Value
- Column list:**
 - ☐ 1: Control Number
 - ☒ 2: Bank Account Number No.
 - ☒ 3: Bank Sort Code
 - ☒ 4: E-mail Address
 - ☒ 5: GT Admin UK Sort Code
 - ☒ 6: Login Credentials - English
 - ☒ 7: U.K. Bank Account Number
- ☐ Enable/Disable All
- Header:** 1
- Footer:** 0
- Buttons:** OK, Cancel

Join CSV

Click  or select CSV
menu – Advanced – Join




The dialog box is titled "Join CSV" and contains the following sections:

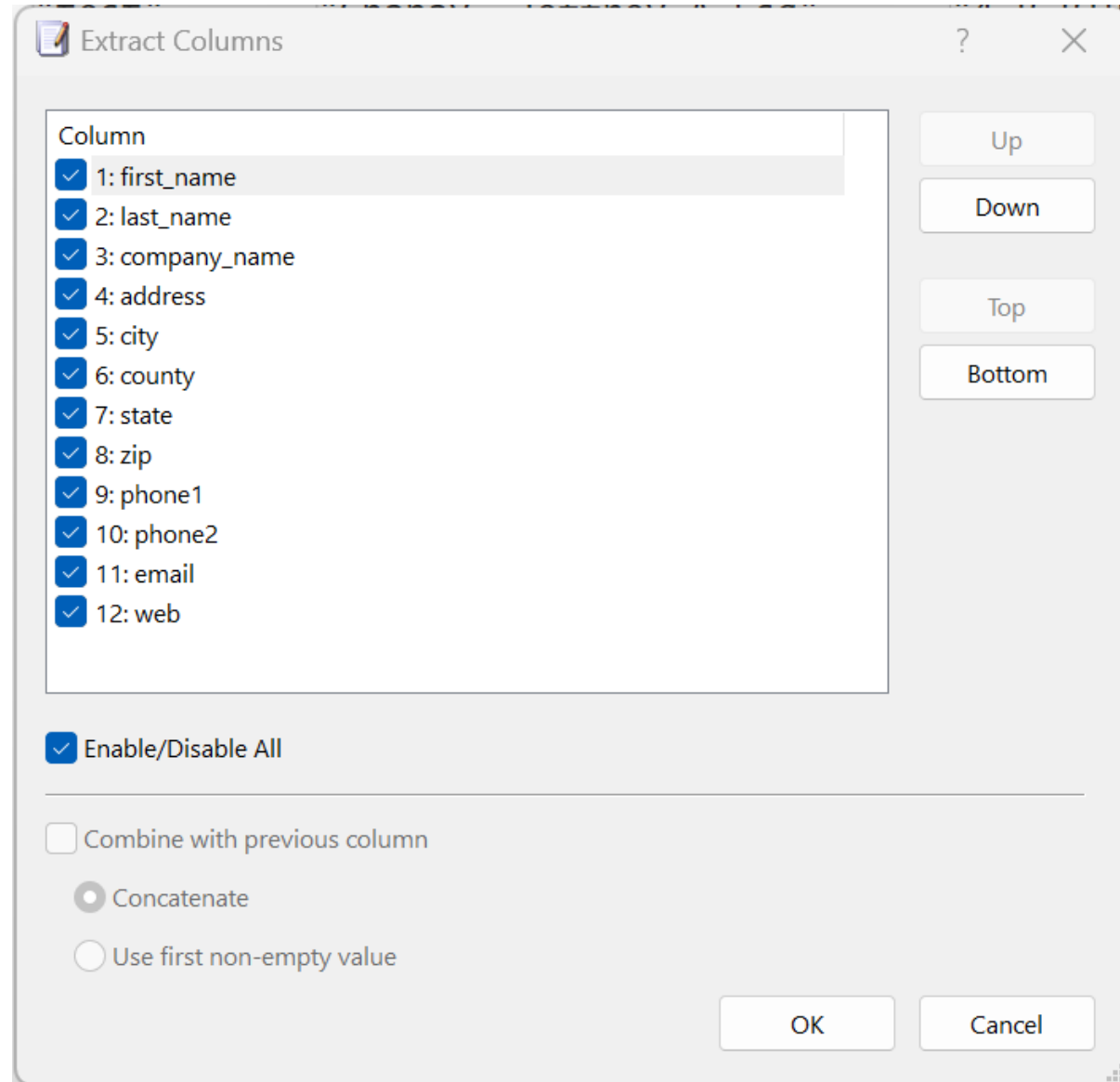
- CSV Document 1:** A dropdown menu showing "Join1.csv". Below it, a "Key1 Column:" dropdown shows "2: name". There are three checkboxes: "Unique Key" (unchecked), "Include all non-matching rows" (unchecked), and "Ignore Headings" (checked).
- CSV Document 2:** A dropdown menu showing "Join2.csv". Below it, a "Key2 Column:" dropdown shows "1: name". There are three checkboxes: "Unique Key" (unchecked), "Include all non-matching rows" (unchecked), and "Ignore Headings" (checked).
- Conditions:** A dropdown menu shows "Whole strings match". To its right, a "Separator:" field shows ";". Below these are four checkboxes: "Match Case" (unchecked), "Fuzzy Matching" (unchecked), "Limit splits" (unchecked), and a numeric field showing "0".
- Table:** A table with two columns: "CSV Document" and "Column". It lists four rows:

CSV Document	Column
Join1.csv	1: id
Join1.csv	2: name
Join2.csv	1: name
Join2.csv	2: zip

To the right of the table are four buttons: "Up", "Down", "Top", and "Bottom".
- Enable/Disable All:** A checkbox that is checked.
- Combine with previous column:** Three radio buttons: "Combine with previous column" (unchecked), "Concatenate" (selected), and "Use first non-empty value" (unchecked).
- Buttons:** At the bottom right are three buttons: "Join Now", "Cancel", and "Export...".

Extract Columns

Click  or select CSV menu - Advanced

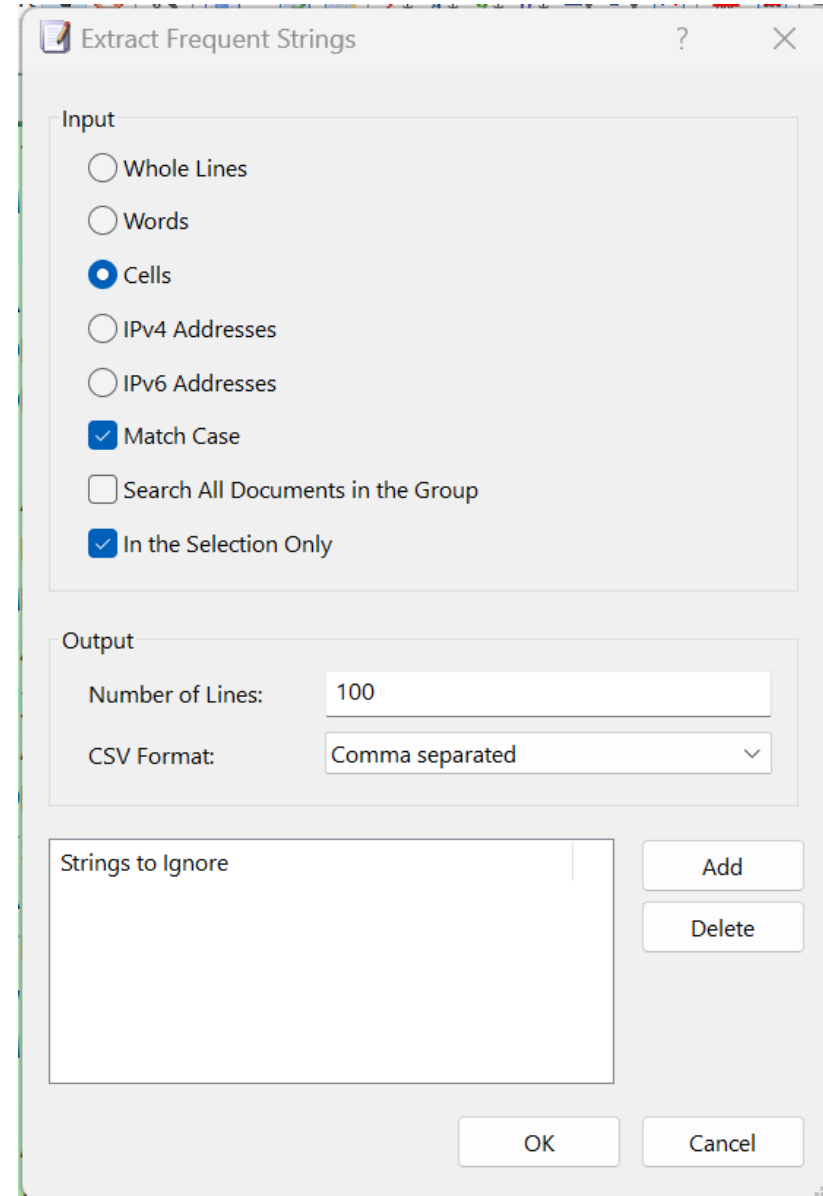


Extract Frequent Strings

Search menu – Extract Frequent Strings



[Watch Video](#)



The screenshot shows a dialog box titled "Extract Frequent Strings" with a standard Windows window border (title bar, maximize, minimize, close buttons). The dialog is divided into two main sections: "Input" and "Output".

Input Section:

- Four radio buttons for selection: "Whole Lines", "Words", "Cells" (selected), and "IPv4 Addresses".
- Two more radio buttons: "IPv6 Addresses" and "Match Case" (checked).
- A checkbox for "Search All Documents in the Group" (unchecked).
- A checkbox for "In the Selection Only" (checked).

Output Section:

- A text field for "Number of Lines:" with the value "100".
- A dropdown menu for "CSV Format:" with "Comma separated" selected.

Strings to Ignore:

- A large text area for listing strings to ignore.
- Two buttons: "Add" and "Delete".

Buttons:

- "OK" and "Cancel" buttons at the bottom right.

CSV Converter

Click  or select CSV menu – CSV Converter



[Watch Video](#)

CSV Converter

3	"a
ey A Esq"	"4
L Cpa"	"8
g Service"	"6
nsions"	"3
E Esq"	"3
iates"	"7
ess"	"7
ruhlar Attys"	"5
pher A Esq"	"2
Esq"	"2
orence"	"3
	"2
r & wright"	"9
chael Esq"	"5
nications"	"7
r Esq"	"6
mpany Pc"	"3
ance Group"	"1
ices Plus"	"3
	"6
nc"	"6
ld R Esq"	"6
er L Esq"	"7
7 Fm"	"3
d Esq"	"1
Image Inc"	"8

Convert to:

CSV Formats

Fixed Width Columns

Comma separated

Tab separated

Semicolon separated

Comparison Report

Pipe separated

Concordance Load File (DAT)

Column Widths

14,13,29,25,17,18,10,10,16,16,33,41

Auto Add

Optimizations

☐ Assume All Half-Width Characters

☐ Discard Undo Information

☐ Apply to All Documents in the Group

Convert Now

Other Operations

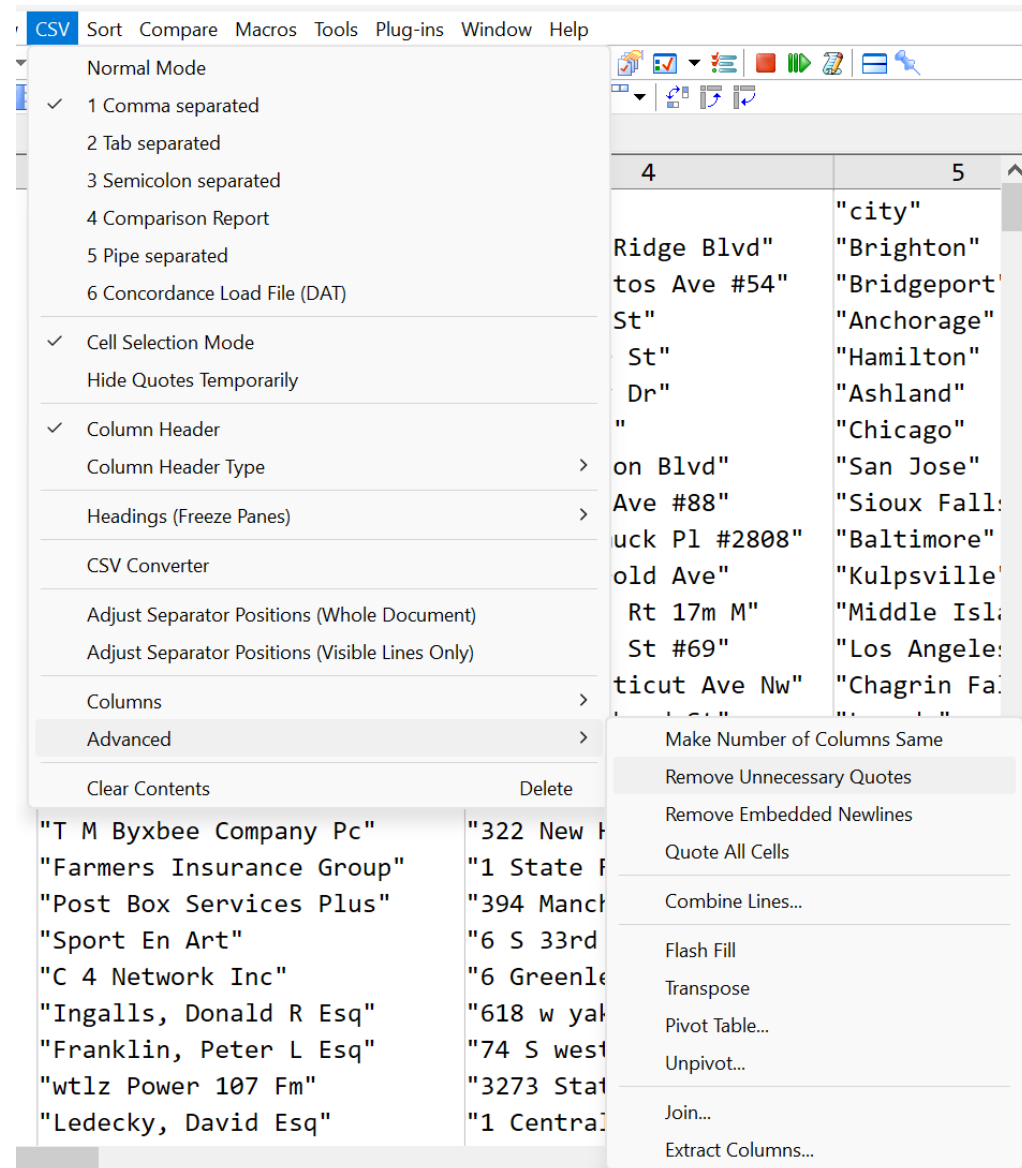
Remove Unnecessary Quotes

Remove Embedded Newline Characters

Quote All Cells

Other Useful Commands

- Hide Quotes Temporarily
- Column Header Type
(1,2,3... or A,B,C... or 0,1,2...)
- Headings (Freeze Pane)
- Read Only in Column Headings
- Adjust Separator Positions
- Make Number of Columns Same
- Remove Unnecessary Quotes
- Remove Embedded Newlines
- Quote All Cells
- Combine Lines



Large CSV File Support

Feature	EmEditor Professional v22.5.2 (64-bit)	Excel (newer version)
Total number of rows	1,099,511,627,775 rows (limited by available memory)	1,048,576 rows
Total number of columns	Limited by total number of characters in a row = 134,217,727 characters	16,384 columns
Total number of characters that a cell can contain	Limited by total number of characters in a row = 134,217,727 characters	32,767 characters
File name length including the file path	32,767 characters or the maximum length supported by the file system	218 characters

Faster than Excel

Test Conditions

- 700,000 lines, 123 MB random ASCII CSV data file
- All default options, Windows 11, Core i9-11900K, 64GB RAM, 2TB SSD
- EmEditor Professional v22.5.2 (64-bit)
- Excel v2307 Build 16.0.16626.20170 (64-bit)

Task	EmEditor	Excel	Comparison
Open	0.185 seconds	7.31 seconds	40 times faster
Replace All	0.031 seconds	2.36 seconds	76 times faster
Sort A to Z	0.173 seconds	2.39 seconds	14 times faster

Disclaimer: We tested all apps as accurately as possible; however, all speeds depend on the tested computers, files, and other factors. All speeds may be improved in future app versions. We recommend that you install and compare these apps for yourself. Other factors, including the feature set, stability, usability, affordability, and design, should also be considered when deciding which app to choose.

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16	"Mattie"	"Poquette"	"Cen
17	"Meaghan"	"Garufi"	"Bol
18	"Gladys"	"Rim"	"T M

Summary

- 64 customizable CSV formats
- Many CSV options
- Right-click on Columns
- Manage Columns
- Combine/Split Columns
- Sort Columns/Rows
- Flash Fill/AutoFill
- Transpose/Pivot Table/Unpivot
- Join CSV/Extract Columns
- Extract Frequent Strings
- CSV Converter
- Support very large CSV files
- Faster than Excel



[Powerful CSV Tools – EmEditor \(Text Editor\)](#)