



All Sheets are considered to have **Header**

This Excel Project is a Simple Tool using Excel VBA to Filter and Compare DATA.

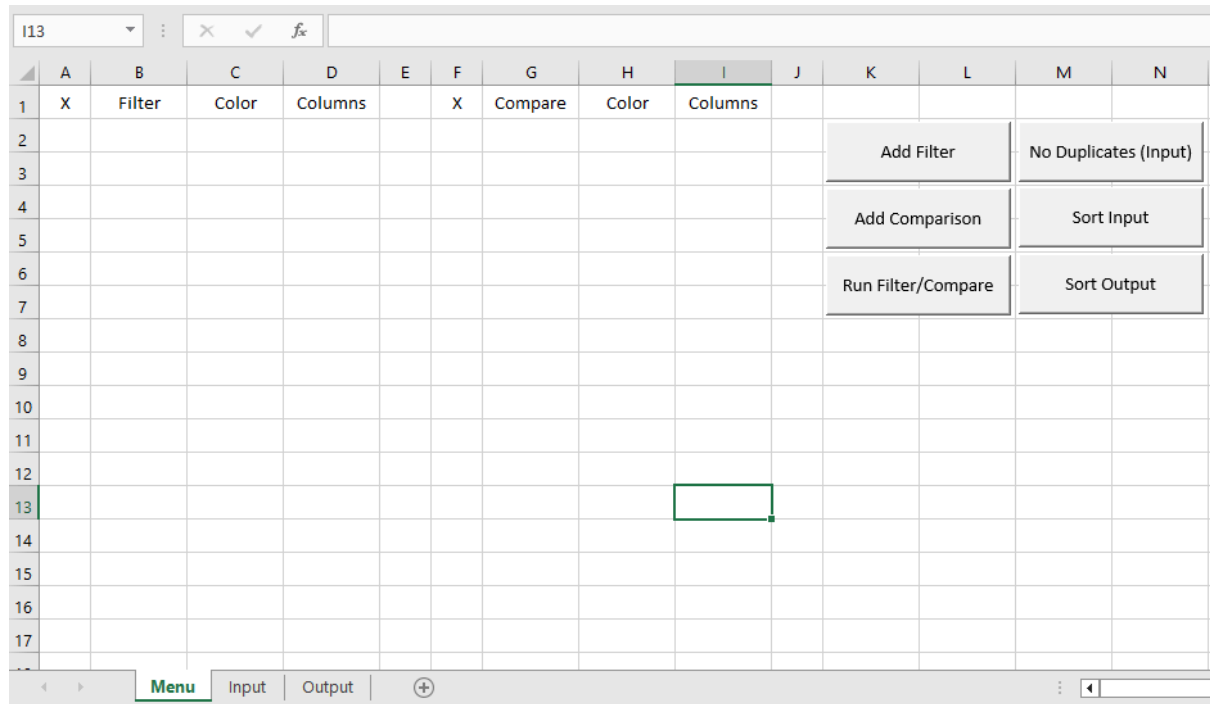
There are 3 Basic Sheets:

1. Menu
2. Input
3. Output

To understand how they work, it's better to look into what the project can do.

# Menu

In the Menu Sheet, you can:



- Add Filter Sheets

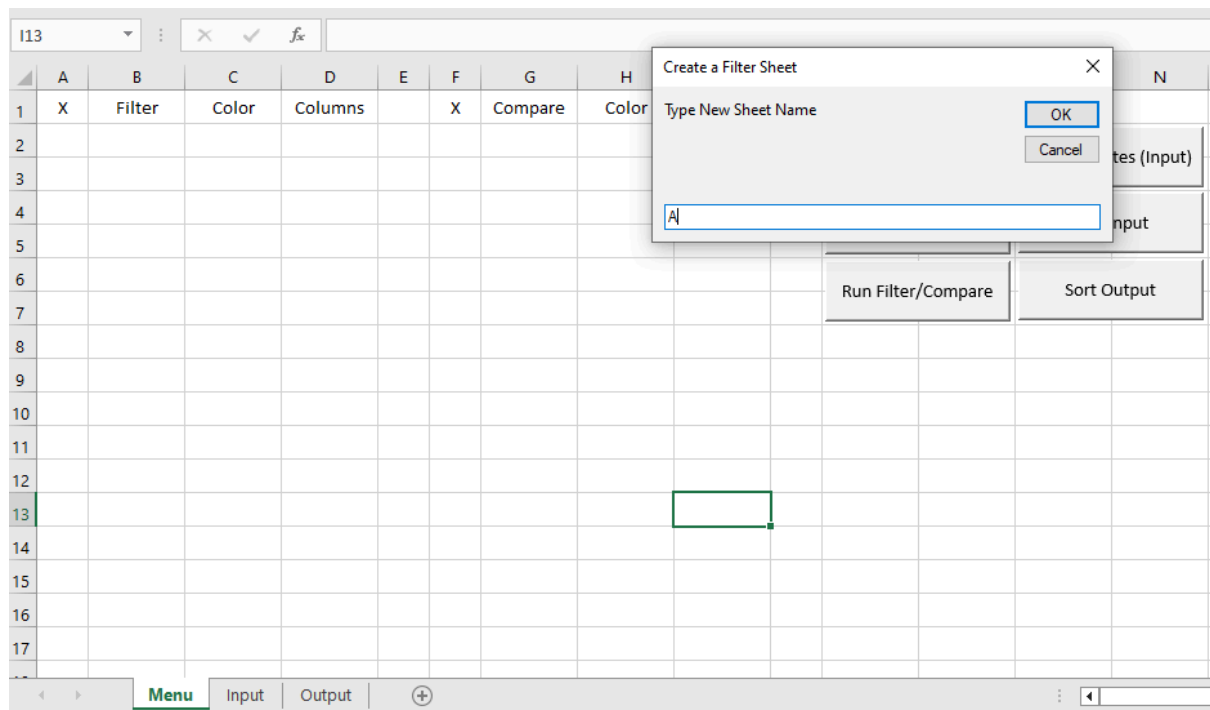
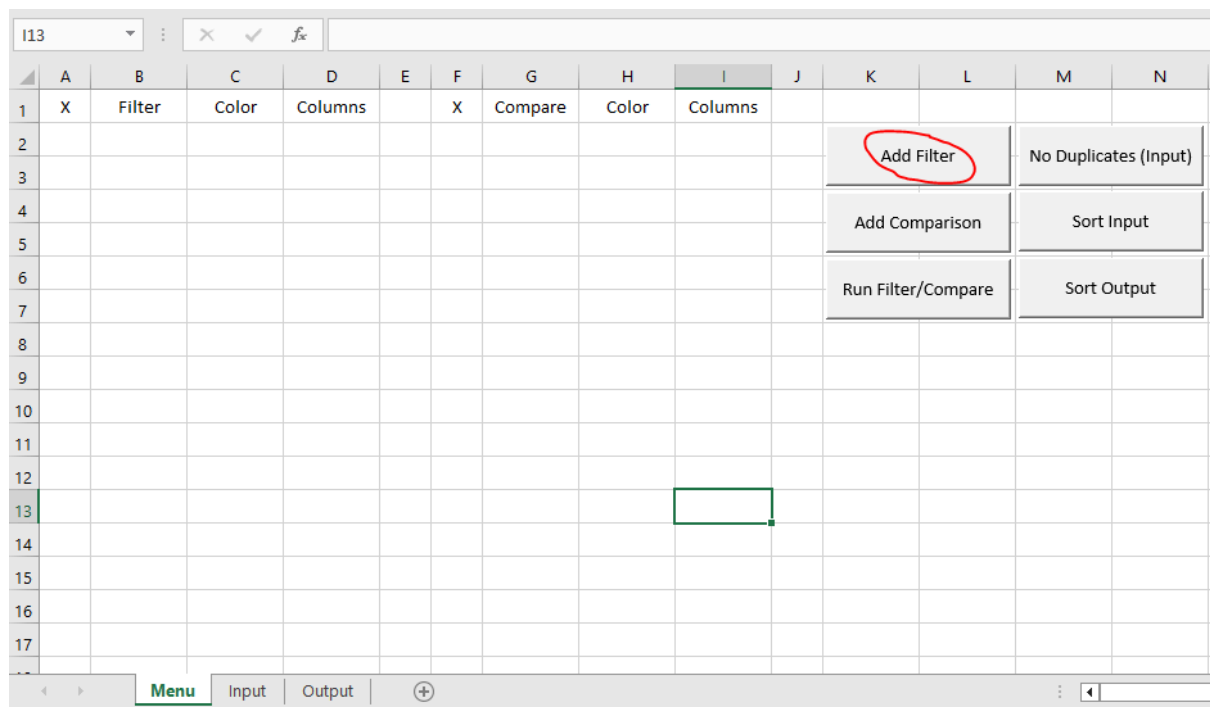
You can choose the number of columns to be compared with the Input Sheet and choose a color that will fill the Input Cells when equal, the rows that were NOT a match will be copied to the Output Sheet.

The difference between Filter and Comparison is that Filter Paints Input and the rest goes to Output (Rows not Painted), while Comparison just Paints Output.

In the Menu the lower the Row of the Filter the higher the priority of the Filter.

Filter and Comparison Sheets are not modified by the Buttons, only Input and Output Sheets.

### Example Filter 1, Starting



File Home Insert Page Layout Formulas Data Review View Developer Help Tell me what you want to do

Paste

Clipboard

Font

Calibri 11 A A

B I U

Font Color

Alignment

Wrap Text

Merge & Center

General

Number

Conditional Formatting

Format as Table

Styles

File Home Insert Page Layout Formulas Data Review View Developer Help Tell me what you want to do

Paste

Clipboard

Font

Calibri 11 A<sup>+</sup> A<sup>-</sup>

B I U

Font Color

Alignment

Wrap Text

Merge & Center

Number

General

\$ % ' <= > <= >

Conditional Formatting

Format as Table

Styles

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
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20														
21														
22														
23														

Menu

Input

A

Output

+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderF1	HeaderF2												
2	a	c												
3														
4														
5														
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22														
23														

Menu

Input

A

Output

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[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	c													
4														
5														
6														
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22														
23														

Menu
Input
A
Output
+

Example Filter 2, Using More Columns

Changing columns used to filter to 2, using the settings from the example before:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
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20														
21														
22														
23														

Menu
Input
A
Output
+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderF1	HeaderF2												
2	a	c												
3														
4														
5														
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23														

Menu
Input
A
Output
+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		2							Add Filter	No Duplicates (Input)		
3														
4											Add Comparison	Sort Input		
5														
6											Run Filter/Compare	Sort Output		
7														
8														
9														
10														
11														
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13														
14														
15														
16														
17														

Menu
Input
A
Output
+



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														
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23														

Menu

Input

A

Output

+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	d												
4	c													
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Menu

Input

A

Output

+

## Example Filter 3, Working with 2 Filters

Add new Filter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
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22														
23														

Menu

Input

B

A

Output

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderF1	HeaderF2												
2	a	c												
3														
4														
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23														

Menu

Input

B

A

Output

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header	Header												
2	a	d												
3														
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22														
23														

Menu

Input

B

A

Output

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		2										
3	<input checked="" type="checkbox"/>	B		2										
4														
5														
6														
7														
8														
9														

Add Filter

No Duplicates (Input)

Add Comparison

Sort Input

Run Filter/Compare

Sort Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
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Menu

Input

B

A

Output

+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	c													
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23														

Menu
Input
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Example Filter 4, Filter Priority

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
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18														
19														
20														
21														
22														
23														

Menu
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B
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Output
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderF1	HeaderF2												
2	a	c												
3														
4														
5														

Menu
Input
B
A
Output
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◀

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header	Header												
2	a	d												
3														
4														
5														
	Menu	Input	B	A	Output	+								

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		1							Add Filter	No Duplicates (Input)		
3	<input checked="" type="checkbox"/>	B		2							Add Comparison	Sort Input		
4														
5														
6														
7														
											Run Filter/Compare	Sort Output		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
	Menu	Input	B	A	Output	+								

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	c													
4														
5														
	Menu	Input	B	A	Output	+								

## ● Add Comparison Sheets

You can choose the number of columns to be compared with the Output Sheet and choose a color that will fill the Output Cells when equal.

The difference between Filter and Comparison is that Filter Paints Input and the rest goes to Output (Rows not Painted), while Comparison just Paints Output.

In the Menu the lower the Row of the Comparison the higher the priority of the Comparison.

Filter and Comparison Sheets are not modified by the Buttons, only Input and Output Sheets.

# Example Comparison 1, Starting

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		1							Add Filter	No Duplicates (Input)		
3	<input checked="" type="checkbox"/>	B		2							Add Comparison	Sort Input		
4											Run Filter/Compare	Sort Output		
5														
6														
7														
8														

MenuInputB | A | Output

Create a Comparison Sheet

Type New Sheet Name

OKCancel

Run Filter/CompareSort Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		1		<input type="checkbox"/>	C		1		Add Filter	No Duplicates (Input)		
3	<input checked="" type="checkbox"/>	B		2							Add Comparison	Sort Input		
4											Run Filter/Compare	Sort Output		
5														
6														
7														

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperHelpTell me what you want to do

PasteClipboard

Font

Alignment

Number

General

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

Editing

Add-ins

H2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		1		<input type="checkbox"/>	C		1		Add Filter	No Duplicates (Input)		
3	<input checked="" type="checkbox"/>	B		2							Add Comparison	Sort Input		
4											Run Filter/Compare	Sort Output		
5														
6														
7														
8														

MenuInputB | A | C | Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu

Input

B

A

C

Output

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input type="checkbox"/>	A		1		<input checked="" type="checkbox"/>	C		1				No Duplicates (Input)	
3	<input type="checkbox"/>	B		2									Sort Input	
4														
5														
6													Sort Output	
7														
8														

Menu

Input

B

A

C

Output

+

Add Filter

Add Comparison

Run Filter/Compare

No Duplicates (Input)

Sort Input

Sort Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu

Input

B

A

C

Output

+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu

Input

B

A

C

Output

+

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderC	HeaderC												
2	b	a												
3														
4														

Menu Input B A **C** Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input type="checkbox"/>	A		1		<input checked="" type="checkbox"/>	C		2		Add Filter	No Duplicates (Input)		
3	<input type="checkbox"/>	B		2							Add Comparison	Sort Input		
4											Run Filter/Compare	Sort Output		
5														
6														
7														

Menu Input B A C Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														

Menu Input B A C Output

Look at the previous example

## Example Comparison 3, Working with 2 Comparisons and Priority

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderC	HeaderC												
2	b	a												
3														
4														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderX	HeaderX												
2	c													
3	b													
4														
5														

Menu Input B A C D Output



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input type="checkbox"/>	A		1		<input checked="" type="checkbox"/>	C		1		Add Filter		No Duplicates (Input)	
3	<input type="checkbox"/>	B		2		<input checked="" type="checkbox"/>	D		2					
4											Add Comparison		Sort Input	
5														
6											Run Filter/Compare		Sort Output	
7														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu Input B A C D Output

## ● Run those filters and comparisons

The difference between Filter and Comparison is that Filter Paints Input and the rest goes to Output (Rows not Painted), while Comparison just Paints Output.

In the Menu the lower the Row of the Filter/Comparison the higher the priority of the Filter/Comparison.

Filter and Comparison Sheets are not modified by the Buttons, only Input and Output Sheets.

## Example Run

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderF1	HeaderF2												
2	a	c												
3														
4														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header	Header												
2	a	d												
3														
4														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderC	HeaderC												
2	b	a												
3														
4														

Menu Input B A C D Output

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	HeaderX	HeaderX												
2	c													
3	b													
4														
<div> <div>Menu</div> <div>Input</div> <div>B</div> <div>A</div> <div>C</div> <div>D</div> <div>Output</div> <div>+</div> </div>														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	X	Filter	Color	Columns		X	Compare	Color	Columns					
2	<input checked="" type="checkbox"/>	A		1		<input checked="" type="checkbox"/>	C		1		Add Filter		No Duplicates (Input)	
3	<input checked="" type="checkbox"/>	B		2		<input checked="" type="checkbox"/>	D		2					
4											Add Comparison		Sort Input	
5														
6											Run Filter/Compare		Sort Output	
7														
8														
<div> <div>Menu</div> <div>Input</div> <div>B</div> <div>A</div> <div>C</div> <div>D</div> <div>Output</div> <div>+</div> </div>														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	a	c												
4	a	d												
5	c													
6														
7														
<div> <div>Menu</div> <div>Input</div> <div>B</div> <div>A</div> <div>C</div> <div>D</div> <div>Output</div> <div>+</div> </div>														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Header1	Header2												
2	b													
3	c													
4														
<div> <div>Menu</div> <div>Input</div> <div>B</div> <div>A</div> <div>C</div> <div>D</div> <div>Output</div> <div>+</div> </div>														

## ● Remove Duplicates from Input Sheet

It uses ALL Columns from the Input Sheet and excludes Headers.

## ● Sort Input Sheet (Ascending)

It uses ALL Columns from the Input Sheet and excludes Headers.

## ● Sort Output Sheet (Ascending)

It uses ALL Columns from the Output Sheet and excludes Headers.

## How to Start

1. Download the .xlsm file
2. Open it
3. Enable Macros

#### 4. Have Fun