

# EXAMPLE - String Cleanup Functions

This example demonstrates functions that can be used to clean up strings.

## Functions:

Item	Description
TRIM Function	Removes leading and trailing whitespace from a string. Spacing between words is not removed.
REMOVEWHITESPACE Function	Removes all whitespace from a string, including leading and trailing whitespace and all whitespace within the string.
REMOVESYMBOLS Function	Removes all characters from a string that are not letters, numbers, accented Latin characters, or whitespace.

## Source:

In the following ( *space* ) and ( *tab* ) indicate space keys and tabs, respectively. Carriage return and newline characters are also supported by whitespace functions.

Strings	source
String01	this source(space)(space)
String02	(tab)(tab)this source
String03	(tab)(tab)this source(space)(space)
String04	this source's?
String05	Why, you @\$%^&*()!
String06	this söurce
String07	(space)this söurce
String08	à mañana

## Transformation:

The following transformation steps generate new columns using each of the string cleanup functions:

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	TRIM(source)
<b>Parameter: New column name</b>	'trim_source'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	REMOVEWHITESPACE(source)
<b>Parameter: New column name</b>	'removewhitespace_source'

<b>Transformation Name</b>	New formula
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<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	REMOVESYMBOLS ( source )
<b>Parameter: New column name</b>	'removesymbols_source'

**Results:**

Strings	source	removesymbols_source	removewhitespace_source	trim_source
String01	this source(space)(space)	this source(space)(space)	thissource	this source
String02	(tab)(tab)this source	(tab)(tab)this source	thissource	this source
String03	(tab)(tab)this source(space)(space)	(tab)(tab)this source(space)(space)	thissource	this source
String04	this source's?	this sources	thissource's?	this source's?
String05	"Why, you @\$%^&*()!"	Why you	Why,you@\$%^&*()!	Why, you @\$%^&*()!
String06	this sörce	this sörce	thissörce	this sörce
String07	(space)this sörce	(space)this sörce	thissörce	this sörce
String08	à mañana	à mañana	àmañana	à mañana