

# VelocityCommalfNeeded

How can I easily create a comma separated list if items?

I first ran into this problem while using Velocity to create SQL statements. The comma separated list of Table Columns can not have a trailing comma.

To VM\_global\_library.vm add the **commalfNeeded** macro:

```
##-----
## Add commas in a comma separated list to all items but the last
## Param: $index - pass in $velocityCount
## Param: $list - pass in your velocity list variable
##-----
#macro(commalfNeeded $index $list)
#set ( $lastone = $list.Count - 1 )
#if( $index <= $lastone ),
#else

#end
#end
```

Use the **commalfNeeded** Macro to create a comma separated list:

```
#foreach ( $column in ${Table.ColumnList} )
    p_${column.Name} IN "${Table.Name}"."${column.Name}"%Type#commalfNeeded( $velocityCount $Table.ColumnList )
#end
```