Modul:Ustring

This module directly imports all functions from the Vorlage:Luaref library. Documentation for each function can be found there.

The module takes an indefinite number of arguments. Arguments given as Vorlage:Para, Vorlage:Para, etc, are read first, and are used as strings. All remaining numerical arguments are coerced to number type if possible, and remain strings if not. If you wish for a numerical (i.e. unnamed or "Vorlage:Para", "Vorlage:Para") to remain a string, you can simply escape it by inserting `\` at the beginning of the string.

Note that MediaWiki will always trim whitespace from named arguments; to give arguments with surrounding whitespace you must use unnamed parameters starting with `\`.

How to pass inconvenient strings

To pass this...	Write this	Explanation
`" 0123 "`	Vorlage:Para	To get surrounding whitespace must use unnamed, but must precede with \ to indicate that it isn't a number.
`"0123"`	Vorlage:Para	If you don't need to preserve whitespace use Vorlage:Para etc.
`"0123"`	Vorlage:Para	If you don't need to preserve whitespace explicitly use Vorlage:Para etc.
In another template, to pass its parameter {{{1}}}, preserving whitespace	Vorlage:Para	Must provide the \ with unknown string input.
In another template, to pass its parameter {{{1}}}, stripping whitespace	Vorlage:Para	
In another template, to pass its parameter {{{1}}}, stripping whitespace	Vorlage:Para	

You can also wrap results in tags. All other unused arguments will be passed to Vorlage:Luaref

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Usage

`{{#invoke:Ustring|`*`function_name`*`|arg1|arg2|...}}` is equivalent to Vorlage:Luaref

Example using mw.ustring.sub

`{{#invoke:Ustring|sub|s1=abcde|2|4}}`

produces:

bcd

Example using mw.ustring.gsub

`{{#invoke:Ustring|gsub|s1=1234|23|}}`

produces:

14

Example using mw.ustring.char

`&#{{#invoke:ustring|char|49|48|59}}`

produces:

Example using mw.ustring.match

`{{#invoke:Ustring|match|s1=abcde|s2=(c%w)}}`

produces:

cd

Note: Only the first match is returned. Additional returns are omitted because mw.ustring.gsub's second return value is generally undesirable.

Example using tag arguments

```
{{#invoke:Ustring|match
|s1={{Module:Ustring}}|%s%s%sif%snot%s[^%s]+%sthen.+%
<!--enter an actual newline character to match '\n'-->%s%s%send
|tag=syntaxhighlight|lang=lua}}
```

produces:

```
                        if not fargs.tag then
                                return (what(unpack(args)))                -- Out
                        end
                        local tagargs = {}
                        for x, y in pairs(fargs) do
                                if not fargsused[x] then tagargs[x] = y end
                        end
```

Note that:

```
<syntaxhighlight lang="lua">{{#invoke:Ustring|match
|s1={{Module:Ustring}}|%s%s%sif%snot%s[^%s]+%sthen.+%
<!--enter an actual newline character to match '\n'-->%s%s%send}}</syntaxhighligh
```

produces:

```
{{#invoke:Ustring|match
|s1={{Module:Ustring}}|%s%s%sif%snot%s[^%s]+%sthen.+%
<!--enter an actual newline character to match '\n'-->%s%s%send}}
```

Errors

Errors from accessing Vorlage:Luaref should be maintained, e.g.:

`{{#invoke:Ustring|xyzzy}}`

should produce:

Vorlage:Script error

and

`{{#invoke:Ustring|maxPatternLength}}`

should produce:

Vorlage:Script error

See also

Vorlage:String handling templates

```
require('Module:No globals')
return setmetatable({}, {
        __index = function(t, k)
                local what = mw.ustring[k]
                if type(what) ~= "function" then
                        return what
                end
                return function(frame)
                        local fargs = frame.args
                        local fargsused = { tag = true }
                        local args = {}
                        local str_i = 1
                        while fargs['s' .. str_i] do
                                fargsused['s' .. str_i] = true
                                args[str_i] = fargs['s' .. str_i]
                                str_i = str_i + 1
                        end
                        for i, v in ipairs(fargs) do
                                fargsused[i] = true
                                args[i + str_i - 1] = tonumber(v) or v:gsub("^\\'
                        end
                        if not fargs.tag then
                                return (what(unpack(args)))                -- Out
                        end
                        local tagargs = {}
                        for x, y in pairs(fargs) do
                                if not fargsused[x] then tagargs[x] = y end
                        end
                        return frame:extensionTag{name = fargs.tag, content = wha
                end
        end
})
```