

Modul:Demo

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Usage

Usage via templates

This module supports **Vorlage:T**

```
{{#invoke:Demo|main}}
```

and **Vorlage:T**

```
{{#invoke:Demo|inline}}
```

The input must be wrapped in **Vorlage:Tag** tags or else it may be processed before the module can read it.

Usage in a module

If you want to use this in another module (such as to make the output prettier), you can get values like so:

```
require('Module:demo').get(frame)
```

Function `get()` returns a table containing:

- `source` = the source code (without **Vorlage:Tag** wrappers, characters substituted with html entities)
- `output` = the execution result of the source.
- `frame` = the frame from which this template took the parameter.

By default, `get()` takes the first parameter of frame. If the frame uses a different parameter name for the nowiki-wrapped source, then place that name (as a string) as the second parameter, like so `require('Module:demo').get(frame, 'alternate_name')`

Example:

```
p = {}

function p.main(frame)
  local parts = require('Module:demo').get(frame)
  return '<Pretty html><pre>' .. parts.source .. '</pre><more pretty html>' .. parts.more
end

return p
```

See also

- [Template:Nowiki template demo](#) which uses [Module:Template](#) test case
- [Template:Automarkup](#) which uses [Module:Automarkup](#)

```
local p = {}

--creates a frame object that cannot access any of the parent's args
--unless a table containing a list keys of not to inherit is provided
function disinherit(frame, onlyTheseKeys)
  local parent = frame:getParent() or frame
  local orphan = parent:newChild{}
  orphan.getParent = parent.getParent --returns nil
  orphan.args = {}
  if onlyTheseKeys then
    local family = {parent, frame}
    for f = 1, 2 do
      for k, v in pairs(family[f].args or {}) do
        orphan.args[k] = orphan.args[k] or v
      end
    end
    parent.args = mw.clone(orphan.args)
    setmetatable(orphan.args, nil)
    for _, k in ipairs(onlyTheseKeys) do
      rawset(orphan.args, k, nil)
    end
  end
  return orphan, parent
end

function p.get(frame, arg, passArgs)
  local orphan, frame = disinherit(frame, passArgs and {arg or 1})
  local code, noWiki, preserve = frame.args[arg or 1] or ''
  if code:match'nowiki' then
    local placeholder, preserve = ('6'):char(), {}
    code = mw.text.unstripNoWiki(code)
    noWiki = code:gsub('%', placeholder):gsub('&lt;', '<'):gsub('&gt;', '>')
    for k in noWiki:gmatch('&.-;') do
      if not preserve[k] then
        preserve[k] = true
        table.insert(preserve, (k:gsub('&', '&')))
        noWiki = noWiki:gsub('&.-;', '%%s')
      end
    end
    noWiki = mw.text.nowiki(noWiki):format(unpack(preserve)):gsub(placeholder, '%')
  end
  local kill_categories = frame.args.demo_kill_categories or frame.args.no
  return {
    source = noWiki or code,
```

```

        output = orphan:preprocess(code):gsub(kill_categories and '%[Ca
        frame = frame
    }
end

function p.main(frame, demoTable)
    local show = demoTable or p.get(frame)
    local args = show.frame.args
    args.br = tonumber(args.br or 1) and ('<br>'):rep(args.br or 1) or args.br
    if show[args.result_arg] then
        return show[args.result_arg]
    end
    return string.format('<pre>%s</pre>%s', args.style and string.format(
end

-- Alternate function to return an inline result
function p.inline(frame, demoTable)
    local show = demoTable or p.get(frame)
    local args = show.frame.args
    if show[args.result_arg] then
        return show[args.result_arg]
    end
    return string.format('<code>%s</code>%s', args.style and string.forma
end

--passing of args into other module without preprocessing
function p.module(frame)
    local orphan, frame = disinherit(frame, {
        'demo_template',
        'demo_module',
        'demo_module_func',
        'demo_main',
        'demo_br',
        'demo_result_arg',
        'demo_kill_categories',
        'nocat'
    })
    local template = frame.args.demo_template and 'Template: '..frame.args.den
    local demoFunc = frame.args.demo_module_func or 'main\n'
    local demoModule = require('Module: '..frame.args.demo_module)[demoFunc
    frame.args.br, frame.args.result_arg = frame.args.demo_br, frame.args.den
    local kill_categories = frame.args.demo_kill_categories or frame.args.noc
    if demoModule then
        local named = {insert = function(self, ...) table.insert(self, ..
        local source = {insert = named.insert, '{', frame.args.demo_tem
        if not template then
            source:insert(2, '#invoke:'):insert(4, '|'):insert(5, den
        end
        local insertNamed = #source + 1
        for k, v in pairs(orphan.args) do
            local nan, insert = type(k) ~= 'number', {v}
            local target = nan and named or source
            target:insert'|'
            if nan then
                target:insert(k):insert'=':insert'\n'
                table.insert(insert, 1, #target)
            end
            target:insert(unpack(insert))
            local nowiki = v:match('nowiki')
            if nowiki or v:match('{{.-}}') then
                orphan.args[k] = frame:preprocess(nowiki and mw.t
            end
        end
        end
        source:insert'}}'

```

```
        table.insert(source, insertNamed, table.concat(named))
        return p.main(orphan, {
            source = mw.text.encode(table.concat(source), "<>'|=~"),
            output = tostring(demoModule(orphan)):gsub(kill_categorie
            frame = frame
        })
    else
        return "ERROR: Invalid module function: "..demoFunc
    end
end
return p
```