Modul:Unicode data/documentation functions

Die Dokumentation für dieses Modul kann unter Modul:Unicode data/documentation functions /Doku erstellt werden

```
local p = {}

local output_mt = {}
function output_mt:insert(str)
	self.n = self.n + 1
	self[self.n] = str
end

function output_mt:insert_format(...)
	self:insert(string.format(...))
end

output_mt.join = table.concat

output_mt.__index = output_mt

local function Output()
	return setmetatable({ n = 0 }, output_mt)
end

function p.show_modules()
	local output = Output()

	output:insert [[

{| class="wikitable" style="text-align: center;"'
|+ Character name data modules,<br>organized by first three digits of codepoint i

	for i = -1, 0xF do
		if i >= 0 then
			output:insert_format('\n! %X', i)
		else
			output:insert '\n!'
		end
	end

	output:insert '\n|-'

	local prev = -1
	local row
	local found_module = false
	for i = 0, 0x10F do
		local first_two_digits = math.floor(i / 0x10)
		if first_two_digits ~= prev then
			if found_module then
				output:insert(row:join())
			end
			found_module = false

			row = Output{}
			row:insert_format("\n|-\n! %02Xx", first_two_digits)
			prev = first_two_digits
		end
```

```
                row:insert '\n| '
                local name_module = ('Module:Unicode data/names/%03X'):format(i)
                if mw.title.new(name_module).exists then
                        local first_cp = i * 0x1000
                        row:insert_format("[[%s|U+%04X&ndash;<br>U+%04X]]",
                                name_module, first_cp, first_cp + 0xFFF)
                        found_module = true
                end
        end
        output:insert "\n|}"

        return output:join()
end

return p
```