Modul:Unicode data/Doku

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Usage

This module provides functions that access information on Unicode code points. The information is retrieved from data modules generated from the Unicode Character Database, or derived by rules given in the Unicode Specification. It and its submodules were copied from English Wiktionary and then modified; see there for more information.

Functions

Vorlage:Code

Receives a code point (number) and returns its name or label; for example, Vorlage:Code returns Vorlage:Code.

For example, Vorlage:Tnull → <reserved-0061>

Vorlage:Code

Template-invokable functions that allow access to the functions starting with `lookup` and `is`. Replace the first underscore in the function name with a pipe. For most of the functions, add the code point in hexadecimal base as the next parameter, but for `is_Latin`, `is_rtl`, and `is_valid_pagename`, add text. HTML character references in the text are decoded by the module into code points.

For example, Vorlage:Tnull → **Lua-Fehler in Modul:Unicode_data, Zeile 293: attempt to index local 'data_module' (a boolean value)**.

Data modules

The data used by functions in this module is found in submodules. Some are generated by AWK scripts shown at User:Kephir/Unicode on English Wiktionary, others by Lua scripts on the `/make` subpages of the submodules.

- Module:Unicode data/aliases: the formal name aliases for characters (from NameAliases.txt)
- Module:Unicode data/blocks: the list of Unicode blocks (from Blocks.txt)
- Module:Unicode data/category: data mapping characters to their General Category (from DerivedGeneralCategory.txt)

- Module:Unicode data/control: data for identifying characters that belong to the General Categories of Separator and Other (from DerivedGeneralCategory.txt)
- Module:Unicode data/combining: data mapping characters to their Combining Classes (from DerivedCombiningClass.txt)
- Module:Unicode data/Hangul: data used to generate the names of Hangul syllables (from Jamo.txt)
- Module:Unicode data/scripts: data mapping characters to their Unicode script properties (from Scripts.txt).

The name data modules (Module:Unicode data/names/*xxx*) were compiled from UnicodeData.txt. Each one contains, at maximum, code points U+xxx000 to U+xxxFFF. **Lua-Fehler in mw.title.lua, Zeile 206: too many expensive function calls**

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