

**NAME**

stringprep\_utf8\_nfkc\_normalize - API function

**SYNOPSIS**

```
#include <stringprep.h>
```

```
char * stringprep_utf8_nfkc_normalize(const char * str, ssize_t len);
```

**ARGUMENTS**

const char \* str

a UTF-8 encoded string.

ssize\_t len    length of *str*, in bytes, or -1 if *str* is nul-terminated.

**DESCRIPTION**

Converts a string into canonical form, standardizing such issues as whether a character with an accent is represented as a base character and combining accent or as a single precomposed character.

The normalization mode is NFKC (ALL COMPOSE). It standardizes differences that do not affect the text content, such as the above-mentioned accent representation. It standardizes the "compatibility" characters in Unicode, such as SUPERSCRIPT THREE to the standard forms (in this case DIGIT THREE). Formatting information may be lost but for most text operations such characters should be considered the same. It returns a result with composed forms rather than a maximally decomposed form.

Return value: a newly allocated string, that is the NFKC normalized form of *str*.

**REPORTING BUGS**

Report bugs to <help-libidn@gnu.org>.

General guidelines for reporting bugs: <http://www.gnu.org/gethelp/>

GNU Libidn home page: <http://www.gnu.org/software/libidn/>

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**SEE ALSO**

The full documentation for **libidn** is maintained as a Texinfo manual. If the **info** and **libidn** programs

are properly installed at your site, the command

**info libidn**

should give you access to the complete manual. As an alternative you may obtain the manual from:

**<http://www.gnu.org/software/libidn/manual/>**