NAME

mkd_in, mkd_string, markdown, mkd_compile, mkd_css, mkd_generatecss, mkd_document, mkd_generatehtml, mkd_xhtmlpage, mkd_toc, mkd_generatetoc, mkd_cleanup, mkd_doc_title, mkd_doc_author, mkd_doc_date, mkd_line, mkd_generateline – convert Markdown text to HTML

SYNOPSIS

```
#include <mkdio.h>
```

```
MMIOT* mkd_in(FILE *input, int flags)
```

```
MMIOT* mkd_string(char *buf, int size, int flags)
```

```
int    markdown(MMIOT *doc, FILE *output, int flags)
```

```
int    mkd_compile(MMIOT *document, int flags)
```

```
int    mkd_css(MMIOT *document, char **doc)
```

```
int    mkd_generatecss(MMIOT *document, FILE *output)
```

```
int    mkd_document(MMIOT *document, char **doc)
```

```
int    mkd_generatehtml(MMIOT *document, FILE *output)
```

```
int    mkd_xhtmlpage(MMIOT *document, int flags, FILE *output)
```

```
int    mkd_toc(MMIOT *document, char **doc)
```

```
int    mkd_generatetoc(MMIOT *document, FILE *output)
```

```
void   mkd_cleanup(MMIOT*);
```

```
char*  mkd_doc_title(MMIOT*)
```

```
char*  mkd_doc_author(MMIOT*)
```

```
char*  mkd_doc_date(MMIOT*)
```

```
int    mkd_line(char *string, int size, char **doc, int flags)
```

```
int    mkd_generateline(char *string, int size, FILE *output, int
flags)
```

DESCRIPTION

These functions convert *Markdown*(6) text into HTML markup.

Mkd_in reads the text referenced by pointer to FILE *input* and returns a pointer to an MMIOT structure of the form expected by *markdown* and the other converters. *Mkd_string* accepts one *string* and returns a pointer to MMIOT.

After such preparation, *markdown* converts *doc* and writes the result to *output*, while *mkd_compile* transforms *document* in-place.

One or more of the following *flags* (combined with OR) control *markdown*'s processing of *doc*:

MKD_NOIMAGE	Do not process ![] and remove <img> tags from the output.
MKD_NOLINKS	Do not process [] and remove <a> tags from the output.
MKD_NOPANTS	Suppress Smartypants-style replacement of quotes, dashes, or ellipses.
MKD_STRICT	Disable superscript and relaxed emphasis processing if configured; otherwise a no-op.
MKD_TAGTEXT	Process as inside an HTML tag: no <em>, no <bold>, no HTML or [] expansion.
MKD_NO_EXT	Don't process pseudo-protocols (in *markdown*(6)).
MKD_CDATA	Generate code for XML ![CDATA[...]] element.
MKD_NOHEADER	Don't process Pandoc-style headers.
MKD_TABSTOP	When reading documents, expand tabs to 4 spaces, overriding any compile-time configuration.
MKD_TOC	Label headings for use with the *mkd_generatetoc* and *mkd_toc* functions.
MKD_1_COMPAT	MarkdownTest_1.0 compatibility. Trim trailing spaces from first line of code blocks and disable implicit reference links (in *markdown*(6)).
MKD_AUTOLINK	Greedy URL generation. When set, any URL is converted to a hyperlink, even those not encased in <>.

MKD_SAFELINK Don't make hyperlinks from [ ][ ] links that have unknown URL protocol types.
MKD_NOTABLES Do not process the syntax extension for tables (in *markdown*(6)).
MKD_EMBED   All of MKD_NOLINKS, MKD_NOIMAGE, and MKD_TAGTEXT.

This implementation supports Pandoc–style headers and inline CSS <style> blocks, but *markdown* does not access the data provided by these extensions. The following functions do, and allow other manipulations.

Given a pointer to MMIOT prepared by *mkd_in* or *mkd_string*, *mkd_compile* compiles the *document* into <style>, Pandoc, and HTML sections. It accepts the *flags* described for *markdown*, above.

Once compiled, the document particulars can be read and written:

Mkd_css allocates a string and populates it with any <style> sections from the document. *Mkd_generatecss* writes any <style> sections to *output*.

Mkd_document points *doc* to the MMIOT *document*, returning *document*'s size.

Mkd_generatehtml writes the rest of the *document* to the *output*.

Mkd_doc_title, *mkd_doc_author*, and *mkd_doc_date* read the contents of any Pandoc header.

Mkd_xhtmlpage writes an XHTML page representation of the document. It accepts the *flags* described for *markdown*, above.

*Mkd_toc malloc*s a buffer into which it writes an outline, in the form of a <ul> element populated with s each containing a link to successive headings in the *document*. It returns the size of that string. *Mkd_generatetoc* is similar, but writes the outline to the *output* referenced by a pointer to FILE.

Mkd_cleanup deletes a processed MMIOT.

The last two functions convert a single line of markdown source, for example a page title or a signature. *Mkd_line* allocates a buffer into which it writes an HTML fragment representation of the *string*. *Mkd_generateline* writes the result to *output*.

SOURCE
        /sys/src/cmd/discount

SEE ALSO
        markdown(1), *markdown*(6)

DIAGNOSTICS
        The *mkd_in* and *mkd_string* functions return a pointer to MMIOT on success, null on failure. *Markdown*, *mkd_compile*, *mkd_style*, and *mkd_generatehtml* return 0 on success, −1 otherwise.

BUGS
        Error handling is minimal at best.

        The MMIOT created by *mkd_string* is deleted by the *markdown* function.

        This is an APE library.