markdown

Markdown

Markdown is a lightweight markup language for creating formatted text using a plain-text editor.

Extensions used are .md and .markdown.

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1. Headers

• Headers serve as hierarchy differentiators, just as in any typical word processor.

Syntax

```
# Heading 1
## Heading 2
### Heading 3
#### Heading 4
##### Heading 5
##### Heading 6
```

Example

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

2. Horizontal Rule

• Horizontal rules can be implemented for dividing sections.

Syntax

```
Use 3 or more of the following characters:

Hyphens: ---
Asterisks: ***

Underscores: ___
```

Example

Hyphens

Underscores

3. Emphasis

• **Emphasis** characters are used to provide weight, to differentiate, to denote a word in another language, or to denote a keyword, among other applications.

Syntax

```
Italics: *with asterisks* or _with underscores_.
Bold: **with double asterisks**.
Combined: **with double asterisks _and underscores_**
Strikethrough: ~~with two tildes~~.
Highlight: ==with dpuble equal signs==.
Underlined: Not possible in Markdown.
```

Example

Italics

Bold

Combined

Strikethrough

Highlight

4. Line Breaks

• Line breaks are used to separate text.

Syntax

```
Single Line Break:

Double Line Break:
```

Example

Single Line Break:

Double Line Break:

5. Lists

- *Lists* are used to denote a number of connected items or names written or printed consecutively.
- Lists can be ordered or unordered.
- Upon inputting the first number in ordered lists or the first bullet in unordered lists and inputting a newline, text editors will continue with sequence.

i. Ordered Lists

Syntax

```
Ordered list:

1. Item 1

2. Item 2

3. Item 3

4. Item 4

5. Item n
```

Example

- 1. Item 1
- 2. Item 2
- 3. Item 3
- 4. Item 4
- 5. Item n

ii. Unordered Lists

Syntax

```
- Item 1
- Item 2
- Item 3
- Item 4
- Item n
```

Example

- Item 1
- Item 2
- Item 3
- Item 4
- Item n

6. Task Lists

- A Task List is used to graphically represent a checklist.
- A Task List has two components:
 - Check: Use square brackets []]. Fill with x if checked, otherwise empty.
 - Task: The actual task to denote.

Syntax

```
[x] Task 1
[x] Task 2
[ ] Task n
```

Example

[x] Task 1

[x] Task 2

[] Task n

7. Links

- Links can be inserted by using squre brackets [1] and parenthesis ().
- Links can be external (i.e. some external website) or internal (i.e. inside same Markdown document).

i. External Link

Syntax

[Google](https://www.google.com)

Example

ii. Internal Link

Syntax

[Table of Contents](#0-table-of-contents)

Example

Table of Contents

8. Images

Images can be embedded inline.

Syntax

```
Inline-style:
```

![alt text](https://github.com/pabloaguirrenck/digital-assets/blob/main/markdowncheatsheet-asset.jpg "Digital Asset Inline")

Example

• Inline-style:



9. Code Blocks & Syntax Highlighting

- Code blocks are used to denote fragments of code, in an easy-to-copy fashion.
- Highlighting is language dependent and must be specified in block.

i. Code Blocks & Syntax Highlighting

- A code block must be written inside three back-ticks _____, or must be indented with four spaces.
- If language is left unspecified, highlighting won't appear.

Syntax

Unhighlighted

Highlighted

```
compatible of the content of th
```

Example

Unhighlighted

Highlighted

ii. Inline Code

A code segment between text can be specified by wrapping code in single back-ticks

Syntax

```
A Python `class` serves as blueprint for creating `objects`.
```

Example

A Python class serves as a blueprint for creating objects.

10. Keyboard Entries

- Keyboard entries are a way to represent actual keys in a keyboard, using a special format.
- By default, Markdown does not support this type of formatting, but we can achieve this by using HTML code.
- Similar to code blocks, we can symbolize keyboard entries by using the HTML <kbd></kbd></kbd></kbd></kbd></kbd>

Syntax

```
To execute, press the <kbd>Enter</kbd> key.
```

Example

To execute, press the Enter key.

10. Tables

- Tables can be used to structure data, and are comprised of headers and body.
- A table is denoted by specifying headers first, separator second, and body third.
- Outer pipes (|) are optional.

Syntax

```
| Header 1 | Header 2 | Header n |
|---|---|
| r1c1 | r1c2 | r1cn |
| r2c1 | r2c2 | r2cn |
```

Example

Header 1	Header 2	Header n
r1c1	r1c2	r1cn
r2c1	r2c2	r2cn

11. Blockquotes

 Blockquotes are used to indicate the quotation of a large section of text from another source.

Syntax

```
> Blockquotes are used in email to emulate reply text.
> This line is part of the same quote.

Quote break.

> This is a very long line that will still be quoted properly when it wraps. Oh boy let's keep writing to make sure this is long enough to actually wrap for everyone.
Oh, you can *put* **Markdown** into a blockquote.
```

Example

Blockquotes are very handy in email to emulate reply text. This line is part of the same quote.

Quote break.

This is a very long line that will still be quoted properly when it wraps. Oh boy let's keep writing to make sure this is long enough to actually wrap for everyone. Oh, you can *put* **Markdown** into a blockquote.

12. Inline HTML

• Raw HTML can be included in Markdown.

Syntax

Example

Definition list

Is something people use sometimes.

Markdown in HTML

Does *not* work **very** well. Use HTML tags.

13. Tex Mathematical Expressions

- Tex mathematical expressions can be declared in Markdown by using Tex syntax directly.
- To enter a Tex expression, wrap in dollar signs \$.

Syntax

```
f_X(x)=\{k \in \sqrt{2\pi^2}\}e^{{-(\{x-\mu\})^2}}over^2\simeq 0
```

Example

$$f_X(x)=rac{k}{\sqrt{2\pi\sigma^2}}e^{rac{-(x-\mu)^2}{2\sigma^2}}, x\geq 0$$

14. Footnotes

- Footnotes can be added by enclosing any keyword in squared brackets and ading the caret symbol before keyword [^footnote_1].
- Upn clicking the footnote, the reference will highlight.
- Note that in **Obsidian** at least, footnotes are rendered until *read-mode* is accessed.

Syntax

```
This is the text that will contain a footnote.[^footnote_1]

We will later reference the footnote by denoting as follows:

[^footnote]: This is the actual reference.
```

Example

This is a sentence with footnote. [1]

15. References

- ChristianLempa/cheat-sheets/misc/markdown.md
- adam-p/markdown-here/wiki/Markdown-Cheatsheet
- normal-distribution-density-function
- 1. This is the actual footnote. ←