

# Markdown basic syntax

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The document is a aggregation for the basic syntax of markdown, retrieved from <https://www.markdownguide.org/basic-syntax/>

This document should be read in correspondence with the rendered output.

## Headings

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To create a heading, add number signs (#) in front of a word or phrase

### Level 3

### Level 4

### Level 5

### Level 6

We get 6 levels of headings. From 1 to 6.

## Paragraphs

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To create paragraphs, use a blank line to separate one or more lines of text. You should not indent paragraphs with spaces or tabs.

I really like using Markdown.

I think I'll use it to format all of my documents from now on.

## Line breaks

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This is the first line.

And this is the second line.

## Emphasis

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### Bold

To bold text, add two asterisks or underscores before and after a word or phrase. To bold the middle of a word for emphasis, add two asterisks without spaces around the letters.

I just love **bold text**.

I just love **bold text**.

Love**isbold**

### *Italic*

To italicize text, add one asterisk or underscore before and after a word or phrase. To italicize the middle of a word for emphasis, add one asterisk without spaces around the letters.

Italicized text is the *cat's meow*.  
Italicized text is the *cat's meow*.  
*Acatmeow*

## Bold and Italic

This text is ***really important***.  
This text is ***really important***.  
This text is ***really important***.  
This text is ***really important***.

## Block Quotes

To create a blockquote, add a > in front of a paragraph.

> Dorothy followed her through many of the beautiful rooms in her castle.

### Blockquotes with Multiple Paragraphs

Blockquotes can contain multiple paragraphs. Add a > on the blank lines between the paragraphs.

> Dorothy followed her through many of the beautiful rooms in her castle.

> The Witch bade her clean the pots and kettles and sweep the floor and keep the fire fed with wood.

### Nested Blockquotes

Blockquotes can be nested. Add a >> in front of the paragraph you want to nest.

> Dorothy followed her through many of the beautiful rooms in her castle.

>> The Witch bade her clean the pots and kettles and sweep the floor and keep the fire fed with wood.

### Blockquotes with Other Elements

#### The quarterly results look great!

- Revenue was off the chart.
- Profits were higher than ever.

*Everything* is going according to **plan**.

## Lists

### ordered list

1. First item
2. Second item
3. Third item
4. Fourth item

- 
1. First item
  2. Second item
  3. Third item

1. Indented item
  2. Indented item
  3. Indented item
  4. Fourth item
- 

## Unordered Lists

- First item
  - Second item
  - Third item
  - Fourth item
- 

- First item
- Second item
- Third item
  - Indented item
  - Indented item
- Fourth item

## Adding Elements in Lists

- This is the first list item.
- Here's the second list item.

I need to add another paragraph below the second list item.

A blockquote would look great below the second list item.

-And here's the third list item.

## Code

At the command prompt, type `nano`.

Use ``code`` in your Markdown file.

**To create code blocks, indent every line of the block by at least four spaces or one tab.**

```
<html>
  <head>
  </head>
</html>
```

## Links

My favorite search engine is [Duck Duck Go](#).

<https://www.markdownguide.org>

[fake@example.com](mailto:fake@example.com)

I love supporting the [EFF](#).

This is the [Markdown Guide](#).

In a hole in the ground there lived a hobbit. Not a nasty, dirty, wet hole, filled with the ends of worms and an oozy smell, nor yet a dry, bare, sandy hole with nothing in it to sit down on or to eat: it was a [hobbit-hole](#), and that means comfort.

## Images



## Linking Images

To add a link to an image, enclose the Markdown for the image in brackets, and then add the link in parentheses.





## Escaping Characters

To display a literal character that would otherwise be used to format text in a Markdown document, add a backslash () in front of the character.

\* Without the backslash, this would be a bullet in an unordered list.

## Tables

Syntax	Description
Header	Title
Paragraph	Text

Creating tables with hyphens and pipes can be tedious. To speed up the process, try using the [Markdown Tables Generator](#). Build a table using the graphical interface, and then copy the generated Markdown-formatted text into your file.

Syntax	Description	Test Text
Header	Title	Here's this
Paragraph	Text	And more

Paragraph 1	Paragraph 2	Paragraph 3
-------------	-------------	-------------

```
{
  "firstName": "John",
  "lastName": "Smith",
  "age": 25
}
```

```
{
  "firstName": "John",
  "lastName": "Smith",
  "age": 25
}
```

Here's a simple footnote,<sup>1</sup> and here's a longer one.<sup>2</sup>

Indent paragraphs to include them in the footnote.

```
`{ my code }`
```

Add as many paragraphs as you like.

~~The world is flat.~~ We now know that the world is round.

- ☐ Write the press release
- ☐ Update the website
- ☐ Contact the media

Automatic URL

<http://www.example.com>

Disabling Automatic URL Linking

`http://www.example.com`

# Math

$$x + y = 10$$

$$x^2 + \cos(\theta)$$

$$J_{\alpha}(x) = \sum_{m=0}^{\infty} \frac{(-1)^m}{m! \Gamma(m + \alpha + 1)} \left(\frac{x}{2}\right)^{2m+\alpha}$$

$$J_{\alpha}(x) = \sum_{m=0}^{\infty} \frac{(-1)^m}{m! \Gamma(m + \alpha + 1)} \left(\frac{x}{2}\right)^{2m+\alpha}$$

$$x^{y^z} = (1 + e^x)^{-2xy^w}$$

$$\left.\frac{du}{dx}\right|_{x=0}$$

To get more information for mathematical formula, [click here](#)

1. This is the first footnote.[↵](#)

2. Here's one with multiple paragraphs and code.[↵](#)