



Markdown for MkDocs: The Complete Developer Guide

This tutorial teaches you **everything you need to know** to write Markdown for our MkDocs-based documentation platform, including:

- Basic markdown syntax
- Advanced formatting (tables, callouts, tabs)
- Using code blocks for YAML, JSON, bash, etc.
- Creating diagrams and admonitions
- Tips specific to **Material for MkDocs** (icons, collapsible blocks, tooltips)

[Easy in Brower Markdown Editor](#)

1. Basic Markdown

Headings

```
# H1 – Page Title
## H2 – Section Title
### H3 – Subsection
```

How it looks

H1 – Page Title

H2 – Section Title

H3 – Subsection

Text styles

```
*italic*, **bold**, `inline code`, ~~strikethrough~~
```

How it looks

italic, **bold**, `inline code`, ~~strikethrough~~

Lists

- ```
- Bullet list item
 - Nested item

1. Numbered item
2. Another
```

#### How it looks

- Bullet list item
- Nested item
- Numbered item
- Another

## Links and images

```
[Link text](https://github.com/MindwiseLLC)
! [Alt text](img/image.png)
```

#### How it looks

Link text



## 2. 🛠 Code Blocks

Use triple backticks with the language name:

```
```python
print("Hello, world!")
```
```

Supported languages: `bash`, `python`, `yaml`, `json`, `sql`, etc.

Add titles and line numbers:

```
```python title="main.py" linenums="1"
def add(x, y):
    return x + y
```
```

#### How it looks

```
print("Hello, world!")
```

#### main.py

```
1 def add(x, y):
2 return x + y
```

### 3. 📊 Tables

```
Name	Type	Description
`name`	`string`	The name of product
`count`	`int`	Quantity in stock
```

#### How it looks

| Name  | Type   | Description         |
|-------|--------|---------------------|
| name  | string | The name of product |
| count | int    | Quantity in stock   |

### 4. 📦 Admonitions (Callouts)

Admonitions, also known as *call-outs*, are an excellent choice for including side content without significantly interrupting the document flow.

Use `!!!` to highlight notes, warnings, tips, etc.

```
!!! note
 This is a simple note.

!!! warning "Be careful"
 This will highlight a warning with a custom title.
```

#### Supported Types:

- note

- `info`
- `tip`
- `success`
- `warning`
- `danger`
- `example`

You can configure icons in `mkdocs.yml`:

```
theme:
 icon:
 admonition:
 note: octicons/tag-16
 tip: octicons/squirrel-16
```

### How it looks

#### **Note**

This is a simple note.

#### **Be careful**

This will highlight a warning with a custom title.

## 5. Tabs and Collapsibles

Tabs:

```
=== "Python"
```python
print("Hello")
```

=== "Bash"
```bash
echo "Hello"
```
```

### How it looks

#### Python

```
print("Hello")
```

## Collapsible blocks:

```
??? example "Click to expand"
 This content is hidden until clicked.
```

### How it looks

 **Click to expand**

This content is hidden until clicked.

## 6. Diagrams with Mermaid

[Materials Tutorial on Mermaid](#) [Mermaid Official webpage and Documentation](#)

```
```mermaid
graph TD
  A[User] --> B[Backend]
  B --> C[Database]
```
```

Enable with:

```
```yaml
markdown_extensions:
  - pymdownx.superfences
  - pymdownx.tabbed
  - pymdownx.details
  - pymdownx.snippets
  - pymdownx.highlight
  - attr_list
  - admonition
  - pymdownx.arithmatex
  - pymdownx.emoji
  - pymdownx.tasklist
```
```

### How it looks

```
graph TD
 A[User] --> B[Backend]
 B --> C[Database]
```

Coding Workflow

```
graph LR
 A[Start] --> B{Error?};
 B -->|Yes| C[Hmm...];
 C --> D[Debug];
 D --> B;
 B ---->|No| E[Yay!];
```

## 7. Extra Tips

### Add badges

```
![[Build]](https://img.shields.io/github/actions/workflow/status/user/repo/ci.yml?branch=main)
```

#### How it looks

build repo or workflow not found

### Add horizontal lines

---

### Add keyboard keys

```
++ctrl+alt+del++
```

#### How it looks

  