

Markdown Demonstration Document

Basic Text Formatting

Lorem ipsum dolor sit amet, **consectetur adipiscing elit**. Nullam *egestas* odio nec est faucibus, vel ***semper sapien tincidunt***. Proin eleifend, mauris vel ~~commodo dignissim~~, nulla nisi vestibulum turpis, ut elementum est arcu vel turpis.

Headings

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

Lists

Unordered Lists

- Lorem ipsum dolor sit amet
- Consectetur adipiscing elit
 - Nested item 1
 - Nested item 2
- Sed do eiusmod tempor incididunt

Ordered Lists

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
 - a. Nested ordered item 1
 - b. Nested ordered item 2
3. Ut enim ad minim veniam

Task Lists

- ☒ Completed task
- ☐ Pending task
- ☐ Future task to implement

Blockquotes

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Nested blockquote: Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Code

Inline code: `const greeting = "Hello, World!";`

Code block with syntax highlighting:

```
function demonstrateCode() {
  const text = "Lorem ipsum dolor sit amet";
  console.log(text);

  // This is a comment
  return text.split(' ').map(word => word.toUpperCase());
}
```

Tables

HEADER 1	HEADER 2	HEADER 3
Lorem	Ipsum	Dolor
Sit	Amet	Consectetur
Adipiscing	Elit	Sed

Links

[Example Link](#)

[Reference Link](#)

Images

Horizontal Rule

Footnotes

Lorem ipsum dolor sit amet ¹, consectetur adipiscing elit^[2].

Definition Lists

Term 1 : Definition for term 1

Term 2 : Definition for term 2 : Another definition for term 2

Emoji (if supported)



Math (if supported)

Inline math: $E = mc^2$

Block math:

$$\frac{d}{dx}(x^n) = nx^{n-1}$$

Emphasis

This is *italic*, this is **bold**, and this is ***bold and italic***.

Superscript and Subscript (if supported)

H₂O and E=mc²

Strikethrough

~~This text is no longer valid~~

1. This is the first footnote. ^[^2]: This is the second footnote with more details about the text. ↩