

# Learning Typst

A practical walkthrough of formatting, layout, and rendering.

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## Heading Level 1

## Heading Level 2

### Heading Level 3

You create headings with = at the start of a line.

**Bold**, *italic*, and code.

You can combine them: **bold and *italic***.

Line breaks happen with a blank line.

Hard break: Use two spaces at end of a line.

### Unordered List

- First item
- Second item
  - Nested item

### Ordered List

1. Step one
2. Step two
3. Step three

### Links

External link: <https://typst.app>

Internal reference:

## About Typst

Typst is a modern markup-based typesetting system.

### Quote

The limits of my language mean the limits of my world.  
– Wittgenstein

### Sidebar / Admonition

You can make notes using the ``note`` element.

### Math Mode

Inline math:  $a^2 + b^2 = c^2$

Display math:

$$\sum_{i=1}^n i = \frac{n(n+1)}{2}$$

Matrices:

$$\begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$$

Fractions and symbols:

$$f(x) = \frac{a}{b} + \int_0^\infty e^{-x^2} \mathrm{d}x + \alpha + \beta + \gamma$$

Tables

Feature	Typst	LaTeX
Syntax	Clean	Arcane
Realtime	Yes	No

Images

Code

**= Title**  
Paragraph text goes here.

```
fn main() {  
    println!("Hello from Rust!");  
}  
  
for i in range(5):  
    print(i)
```

Columns

This text will be arranged in two columns within this specific block. The gutter parameter controls the spacing between the columns. This provides more granular control over layout for particular sections of your document, such as an abstract or a specific figure caption.

This text, following the columns block, will revert to the default page layout (e.g., single column if not explicitly set otherwise).

More sample text: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque habitant morbi tristique senectus et netus.

## Custom Styling

### 1 Styled Heading

This heading uses custom styling.

Body styling:

This paragraph uses a different font and size.

#### 1.1 Variables

Hello, Typst!

#### 1.2 Functions

`square(4)` = 16

Hello, Typst!

## **2 Done!**

You've learned core Typst formatting, math, layout, styling, functions, and structure. Experiment by modifying and recompiling!