

Demonstration Beamer/Reveal

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Section 1

Part 1: Basics

Basic Formatting

Text **formatting** requires a few things, such as lists (prefix -, * or +):

- **bold** (Markdown ****bold****, LaTeX `\textbf{bold}`)
- *italics* (Markdown ***italics***, LaTeX `\textit{italics}`)
 - ***bold and italics*** (Markdown ******* symbol, LaTeX `\textbf{\textit{...}}`)

Enumeration lists can use 1. or #. prefix:

- 1 one
- 2 two

An important reminder for \LaTeX

Use **math mode** as `$\sum_{i=0}^n \sqrt{i}$` for $\sum_{i=0}^n \sqrt{i}$.

For color use `--filter pandoc-latex-color`: then use `abc`.

Headers and Tables

Headers can become different things (e.g., `--slide-level 2` on Pandoc):

| Slide | Header 1 (#) | Header 2 (##) | Header 3 (###) |
|---------|--------------|---------------|----------------|
| Level 1 | Frame | Box | |
| Level 2 | Section | Section | Box |
| Level 3 | Section | Subsection | Frame |

You just need to use standard markdown table notation:

```
| Slide | Header 1 (`#`) | Header 2 (`##`) | Header 3 (`###`) |
| :--- | :--- | :---: | ---: |
| Level 1 | Frame | Box | |
| Level 2 | Section | Frame | Box |
| Level 3 | Section | Subsection | Frame |
```

Images

We saw basic formatting. To insert figures, use Markdown notation:
`![AltText](./filename.jpg "Title")`

To resize it and visualize on Atom, Beamer and Reveal, just use Pandoc bracketed_spans notation: `{width=80%}`.



Figure 1: An universe picture

Example: `![An universe picture](./universe.jpg "An example image"){width=40%}`

Organization and Columns (Part I)

Let's divide in three parts (35%, 30%, 35%):

- First column
 - Some item

Just an equation:

$$\sum_{i=0}^n \sqrt{i}$$

- ① A third column
 - Something
- ② One extra item

To create multiple columns in a compatible way, we can use:

```
<div class="columns">
  <div class="column" width="35%" style="max-width:35%;">
    Content for column with 35% size
  </div>
</div>
```

Fenced Divs I

This code should allow organizing text into column.

Single centered column

```
::::::::::::: {.columns}  
::::: {.column width=100%}  
::: {.centered}  
\centering  
*Single centered column*  
:::  
:::::  
:::::::::::::
```


Fenced Divs II

This doesn't work on Typora or Atom, but works on LaTeX and Reveal.

For centering, just `::: {.centered}` and `\centering` would be enough.

Organization and Columns (Part II)

Double column with image on side (20% and 80%):

- One topic
 - Another item
- Second topic
 - One extra
 - One deeper level



Figure 2: An universe picture

Fenced Divs

Note that Pandoc 2.9 provides a special syntax for fenced divs, like: `::: { .columns }` and `::: { .column width="50%" }`. This is not recommended because Atom Preview will not understand it. For the same reason, use both `max-width=50%`; and `width="50%"`.

Some notes

This slide will only ask you to press s on Reveal. This will put you on Speaker Mode and you'll see the notes.

For Beamer

This is more complicated, but possible. It requires an specialized pdf player for multiple monitors, like pdfpc or pympress.

```
%\documentclass[notes]{beamer}           % frame + notes
\documentclass[notes=only]{beamer}        % only notes
%\documentclass{beamer}                   % only frames
```

Section 2

Thanks

Last advices

Never add frame breaks ----- before Level 1 headers (#).
Otherwise it will create a blank slide ;)

Practice on Atom, VSCode or Typora editors

On Atom, install one of these plugins:

- Markdown Preview Plus:

<https://atom.io/packages/markdown-preview-plus>

- Markdown Preview Enhanced:

<https://atom.io/packages/markdown-preview-enhanced>

Comparison on syntax for Markdown-It and Pandoc: see Atom community discussion.

See more reveal.js themes on

<https://github.com/hakimel/reveal.js>

See you next time!