

# 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  $\text{\LaTeX}$

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 `<span latex-color="green" style="color:green;">abc</span>`.

# 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	Frame	Box
Level 3	^	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	^	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!***