

How to use this beamer templates

@cymprfh

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What is Beamer?

- ❖ beamer is a \LaTeX class
- ❖ You can write a cool presentation in \TeX
 - ❖ like this

A preamble:

```
\documentclass[dvipdfmx,default,cjk]{beamer}
```

Presentation Tools

- ❖ PowerPoint (GUI)
- ❖ Keynote (GUI)
- ❖ Beamer (Text)

GUI is difficult. Writing \TeX is also difficult.
Find more convenient tools!

Use Pandoc

Pandoc - pandoc.org

is a **document** \mapsto **document** convert tool

❖ many document formats are supported!!

1. `.mkd` (markdown)
2. `.html` `.xml`
3. `.docx` (Microsoft Words)
4. `.tex` `.pdf`
5. and more

❖ **template** is used for convert

- ❖ pandoc has many templates for many formats
- ❖ you can custom and use your own templates

Example

a document `.tex` from `.mkd`

Pandoc use usual **template** for `.tex`. The formats of input and output are inferred from the file extensions.

```
pandoc -o report.tex report.mkd
```

a slide `.tex` from `.mkd`

specify the output format as `beamer`

```
pandoc -t beamer -o report.tex report.mkd
```

My Way to Write Presentation Slides

1. write .mkd
2. get beamer file by pandoc

```
pandoc -s -t beamer \  
  --template ./themes/pondering.tex \  
  -o out.tex in.mkd
```

(also see Makefile)

3. compile with platex and get .pdf

```
platex out  
dvipdfmx out  
zathura out.pdf
```

enumerate and itemize

1. one
 2. two
 - ❖ 2
 - ❖ 弐
 3. three
- ❖ itemize
 - ❖ subitemize
 - ❖ subsubitemize
 - ❖ subsubitemize
 - ❖ itemize
 - ❖ itemize

Block

In mkd, a ### makes a block

block title

block inner

block title

block inner

code highlight

```
seq 1 100 | factor | awk 'NF==2{print $2}'
```

```
main :: IO ()
```

```
if __name__ == "__main__":  
    pass
```

BTW:

Markdown grammer is poor. To realize a little advanced, we need T_EX.

1. T_EX can be embbed in `mkd`
 - ❖ which are never changed by `pandoc`
2. All inner of a T_EX are judged as T_EX
 - ❖ This means: cannot write `mkd` in T_EX

Example - twocolumns

Markdown has no grammar about columns. My template defined special syntax (\TeX macros) for columns.

\backslash BeginColumn{.6}		\backslash begin{columns}
Left column		\backslash column{.6\textwidth}
\backslash Column	generates	Left column
Right column		\backslash column{.4\textwidth}
\backslash EndColumn{.4}		Right column
		\backslash end{columns}