A Personal LATEX+ Markdown Writing Template

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1 About

This is a personal template and boilerplate for writing *very-simple* scientific articles, based on Markdown and LATEX.

2 Features and Demonstrations

- A separate directory for build (`/target`)
- 한글 및 漢字가 포함된 문서 작성

    - **굵게**, 이탤릭체, 타이프라이터, 세리프
    - **Bold**, *Italic*, `Typewriter`, Serif
    - 글꼴 변경: 나눔명조 및 은바탕

- Mathematical notations

$$e^{i\pi} + 1 = 0$$

- `Verbatim` texts and Code blocks (see Section 2.1)
- Images and Pictures (TODO)
- Bibilographies (TODO)

2.1 Highlighted Codes, powered by `minted`

One can insert syntax-highlighted codes into the document, thanks to `minted` package. The build process would require `Pygments` python package; make sure that the `pygmentize` is available from the command-line. The document-wide global option is specified in `preamble.tex`, and a listing can override options as well.

OK, now let's see in action — here is a sample C++ snippet:

```cpp
/* A C++ Code that computes gcd(x,y) in O(log n) time */
auto gcd(int x, int y) -> int {
    return y == 0 ? x : gcd(y, x % y);
}
```

Or, even an inline code: do you see the `auto` part?

Note: If you are going to insert lots of code snippets, or separate out code contents into external files, then `minted`'s shortcut feature (e.g. `\pythoninline`/print True/ or `\inputpython{demo.py}`, etc.) might be useful. However, to my knowledge, there is an issue of unwanted escapings with pandoc, so demonstrations of these are omitted as of now.

3 Technical Details

3.1 Tools (tested on Mac OS X)

- Pandoc for converting markdown sources into LATEXfiles. (Tested with 1.13.2)
- X∃LATEX for typesetting into PDF. (Tested with Tex Live 2013)

3.2 Structures

- `Makefile` (see TARGET)
- `document-title.markdown` : The raw source in Markdown
- `premable.tex` : The premable for settings styles, etc.
- `target/document-title.pdf` : The deliverable.
- `images/` : A collection of images embedded in the document.

4 References

- Pandoc's Markdown
- X∃TEX-ko 간단 매뉴얼
- minted.sty Documentation
- User-contributed Templates
- jgm/pandoc-templates

5 Lorem Ipsum

5.1 Subsection: Lorem Ipsum

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