

# README

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## **Abstract**

this block is abstract

# Chapter 1

## README

### 1.1 About the package

Thank for your reading. I'm a student and this package is create on my lesson for python/latex. I'm sorry to there are some bug have no fixed and more bug in unknown runtime. I hope use MVC(Model-View-Control) design patterns into LaTeX Writing(sure, there is no model part). This page is compiled with pyLatex(call the latex:pdflatex commands) if you are reading README.pdf, it also can find from output directory.

#### 1.1.1 Directory structure

```
pyTex
  demo.py
  __init__.py
  md2tex.py
  output
  pyLatex.py
  templates
    example.tex
  setup.py
```

#### Subdirectories

We have two special default directories *output* and *templates* , and the directories also can be changed in pyLatex.py. you can create and modify your own LaTeX templates in your templates directory, and call compile method to output tex/pdf file in your output directory.

## Source Code

There are two python class, pyLatex class to parse templates tags and render content from user to templates, it also have a method named compile that call the command *pdflatex* from LaTeX software. So you need to install LaTeX, if you on ubuntu(linux with apt-get) platform, can use:

```
sudo apt-get install texlive-latex-*
```

if you need multi-lang, for example cjk:

```
sudo apt-get install latex-cjk-all
```

and use it in your templates.

We have a demo in *demo.py* , if you had installed LaTeX, can use it to compile this README demo.

## 1.2 Basic syntax in markdown

Small memo with Markdown, Big paper with LaTeX.

I am sorry to that the package only can use the following syntax and also can't insert newline symbol(except in block content) It only a model for easy to use, sure you can use LaTeX syntax by pyLatex, it's beautiful but not conciser than markdown.

### 1.2.1 block

```
text/code block
this is block area
```

### 1.2.2 quote

```
hello, – LaTeX World – !
```

### 1.2.3 italic

```
a line with italic font
```

## 1.3 Contact Me

If you have question, suggestion or want to make it better together, please send mail to me:

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Thanks Again!