

# mdlatex Readme

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## Abstract

This is the readme file of this project. You should read it.

## 1 mdlatex

mdlatex is a simple Markdown to LaTeX conversion tool. It works by providing a new renderer class for [redcarpet](https://github.com/vmg/redcarpet).

### 1.1 Features

- Write all your things in Markdown and convert them to LaTeX with ease!
- It's written in Ruby!
- Code syntax highlighting using minted and Pygments
- Won't eat your grandma!

### 1.2 Installation

Install the dependencies:

- Ruby 1.9.3+
- A LaTeX distribution (with XeTeX included)
- minted (LaTeX package/style for syntax highlighting source code)
- Pygments (the syntax highlighter minted uses)
- redcarpet (you can do that by running either `bundle install` or `gem install redcarpet`)

### 1.3 Usage

1. Write your document in Markdown format
2. Run `ruby mdlatex.rb document.md > document.latex`
3. Include the converted file in your LaTeX document like this:

```
\input{document.latex}
```

1. Compile to PDF using `xelatex -shell-escape real_document.latex`

An example document with output is in the `examples` directory.

There might be some unexpected behaviour (or even bugs!) in either the Mark-down parser or the converter, so you definitely should check the output of the converter and probably edit it, too.