

# A very simple document

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## 1 Introduction

This is one of the smallest  $\text{\LaTeX}$  documents ever, to see whether you can compile this to a PDF.

## 2 Compiling your document

In order to generate the PDF file from the  $\text{\LaTeX}$  source file `SimpleDocument.tex`, you need to *compile* the source. People typically use TexWorks ([tug.org/texworks](http://tug.org/texworks)), the combination of MikTeX [miktex.org](http://miktex.org) and TexStudio [texstudio.org](http://texstudio.org) or the website [www.overleaf.com](http://www.overleaf.com).

## 3 Style

### 3.1 Paper size and margins

Depending on your system settings, L<sup>A</sup>T<sub>E</sub>X may produce a PDF with Letter paper format and wide margins by default. Uncomment the line `\usepackage[...]{geometry}` near the top of the file to set it to proper values and recompile.

### 3.2 Paragraphs

Here is some text that is hopefully long enough to create a small paragraph. If the text is *not* long enough, I'll add more. If it is *still* not long enough, I'll add even more. If it is *still* not long enough, I'll add even more. If it is **still** not long enough, I'll add even more. If it is *still* not long enough, I'll add even more. If it is *still* not long enough, I'll add even more. If it is *still* not long enough, I'll add even more.

Note that hard returns in the code do nothing. However, an empty line creates a new paragraph. Note that the default paragraph style uses indentation. If you use the `parskip` package in the preamble (“header”) of the source file, it will turn into an empty line. You may need to have to install the package first.

### 3.3 Equations

Creating an equation is easy, as illustrated by Equation 1.

$$-e^{i\pi} = 1 \tag{1}$$

### 3.4 Lists

There are at least two types of lists:

1. enumerate
2. itemize

There are several types of lists:

- enumerate
- itemize