

# Latex for course materials.

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June 9, 2014

# Reuse is one of the strengths

Languages such as Java and PHP are so popular, not only because they are particularly good, but because they promote reuse **AND** have a very rich library.

With  $\text{\LaTeX}$ :

- there are numerous packages to solve almost anything
- you can write own macros
- reuse macros in other macros as kind of glue code
- can properly separate style from structure and contents (link with html+css).
- you can (de)compose a document into smaller (reusable) parts by `\input` or `\input` or `\usepackage`

# Properties of a $\text{\LaTeX}$ source file

- Most of the source is the text you want to publish.
- There are a few special characters, most notably the `\`, the backslash; it introduces a macro call as in `\input{filename}`.