LATEXIntroduction by the student union [1]

LATEX

LATEX (also: "LaTeX") is a document markup language for the typesetting program TEX. "LATEX" is only the language, not the particular editor that is used.

Creating documents

The content of the document can always be found in the file with the .tex extension and can be edited by any text editor. You can find a sample file for exercises on the course website[2] of the Bachelors' Introduction to Computational Linguistics (*Einführung in die Computerlinguistik*).

The file can be compiled by typing `pdflatex [directory/]filename.tex` into your console - provided you installed the required tex distributions. The compiled pdf document will then be called `filename.pdf`. You can ignore any generated .aux files (with extensions like .aux, .log, .toc, .bbl, .blg,..).

TEXeditors

- TeXMaker (for all OS): http://www.xm1math.net/texmaker/

- Kile (Linux): http://kile.sourceforge.net/

- TeXShop (Mac OS): http://pages.uoregon.edu/koch/texshop/

- LyX (WYSIWYG[3]): http://www.lyx.org/

- TeXworks (all OS, included in TeXLive): http://www.tug.org/texworks/

Including packages

Some commands are too specific to be used on an everyday basis. Such commands are often found in packages, that you can include in the preamble of your document with `\usepackage{packagename}`.

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[1]http://coli.uni-saarland.de/fs-coli
[2]http://www.coli.uni-saarland.de/courses/I2CL-15/material/uebungen/AbgabeTemplate.tex
[3]What you see is what you get

Useful Links

- Not So Short Introduction to LATEX: http://tobi.oetiker.ch/lshort/lshort.pdf

- LATEX for linguists(IPA, glosses, trees):
  http://www.essex.ac.uk/linguistics/external/clmt/latex4ling/

- find the correct command for a symbol: http://detexify.kirelabs.org

- http://en.wikibooks.org/wiki/LaTeX

- trees: *qtree*-package

- automata: draw them with Dia[4], include them with `\includegraphics`, if necessary with `figure`-environment

- graphs: draw them with dot[5]

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[4]http://dia-installer.de/
[5]http://www.graphviz.org/Documentation.php