

TEI BY EXAMPLE



MODULE 0: INTRODUCTION TO TEXT ENCODING AND THE TEI

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Last updated September 2020

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2. LaTeX

This example illustrates how the text above could be encoded in LaTeX, an open source typesetting language that can be interpreted by TeX typesetting programs for producing fixed-layout representations such as PDF. LaTeX is not an XML format, and makes use of “procedural” markup, whose meta-information (starting with the `\` character) are instructions for the rendering software on the layout of the text content. As you can see, the actual text contents are preceded by a declaration of several style aspects determining how the text has to be rendered on a page. The text is divided captured as a `{document}`, in which all italicised words are indicated as italicised (`\textit{}`), without difference between the reasons for this typographic emphasis. The footnote is distinguished (`\footnote{}`), but there is no way of telling the computer that “Goethe” is a proper name.

```
\documentclass[12pt]{article}
\usepackage{makeidx}
\usepackage{multirow}
\usepackage{multicol}
\usepackage[dvipsnames,svgnames,table]{xcolor}
\usepackage[dvips]{graphicx}
\usepackage{ulem}
\usepackage{hyperref}
\author{the TBE crew}
\title{Statement}
\setlength{\paperwidth}{419pt}
\setlength{\paperheight}{595pt}
\setlength{\textheight}{451pt}
\setlength{\textwidth}{239pt}
\setlength{\voffset}{-72pt}
\setlength{\hoffset}{-72pt}
\setlength{\evensidemargin}{90pt}
\setlength{\oddsidemargin}{90pt}
\setlength{\topmargin}{39pt}
\setlength{\headheight}{13pt}
\setlength{\headsep}{20pt}
\makeatletter
\newenvironment{indentation}[3]%
{\par\setlength{\parindent}{#3}
\setlength{\leftmargin}{#1}\setlength{\rightmargin}{#2}%
```

```
\advance\linewidth -\leftmargin      \advance\linewidth -\rightmargin%
\advance\@totalleftmargin\leftmargin  \setpar{\@@par}}%
\parshape 1\@totalleftmargin \linewidth\ignorespaces}{\par}%
\makeatother
% new LaTeX commands
\newcommand{\styleCaption}[1]{\textit{#1}}
\newcommand{\styleEndnoteCharacters}[1]{#1}
\newcommand{\styleFootnoteCharacters}[1]{${}^{#1}$}
\newcommand{\styleHeading}[1]{\large \textsf{#1}}
\newcommand{\styleIndex}[1]{#1}
\newcommand{\styleStandaardlinealettertypeOne}[1]{#1}
\begin{document}
\section{\textsf{Review}}
{\raggedright
\begin{indentation}{0pt}{0pt}{0pt}
{\large \textit{Die Leiden des jungen Werther}\footnote{ by Goethe
}} is an \textit{exceptionally} good example of a book full of
\textit{Weltschmerz}.)}
\end{indentation}
}
\end{document}
```

Example 1. A LaTeX example.