References and Bibliography Exercise

Guelma University LaTeX Course

October 28, 2024

Objective

Teach students referencing within LaTeX and creating a bibliography.

Tasks

1. **Practice Using `\cite`, `\ref`, and `\label` for Internal References**
   Use `\label` to create labels for sections, figures, or tables, then reference them within the document using `\ref`. Example: `\label{sec:introduction}` and `\ref{sec:introduction}`.

   Use `\cite` to cite sources in the text. You can create simple citations manually with `\bibitem` in the bibliography or use `BibTeX` for managing larger references.

2. **Add a Bibliography Using `bibitem` or `BibTeX`**
   Create a bibliography section:

   - For simple bibliographies, use the `thebibliography` environment with `\bibitem`.
   - For more complex bibliographies, use `BibTeX` by creating a `.bib` file to store references.

Example Code

Below is example LaTeX code for this exercise, including both a simple bibliography with `bibitem` and a sample `BibTeX` entry.

```
\documentclass{article}

\begin{document}

\title{Example of References and Bibliography}
\author{Student Name}
\date{\today}
```

```
\maketitle

% Section with a label for internal referencing
\section{Introduction}
\label{sec:introduction}
In this document, we will explore referencing. For example,

see Section \ref{sec:introduction}.

% Citing a reference using \cite
Einstein's theory of relativity is well-known \cite{einstein}.

% Simple bibliography using \bibitem
\section*{References}
\begin{thebibliography}{9}
    \bibitem{einstein} A. Einstein,

\emph{Relativity: The Special and the General Theory}, H. Holt and Company, 1916.
\end{thebibliography}

% OR: Using BibTeX for larger reference lists
% Add the following if using BibTeX (save the following reference in a .bib file):
% \bibliographystyle{plain}
% \bibliography{references}

\end{document}
```