CS1022 Introduction to LaTeX

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History

1977 – TeX created by Donald Knuth

1985 – Leslie Lamport creates LaTeX

1989 – 8 bit character support added (ASCII Unicode)

Onwards – TeX doesn't change, LaTeX packages are provided

Some Acronyms

WYSIWYG – what you see is what you get (Word, OpenOffice…)

YGWYG – you get what you get (LaTeX)

TeX – low level formatting language

LaTeX – high (ish) level formatting

LaTeX Installation

Install a LaTeX distribution

TeX Live (Linux, Windows, Mac)

MikTeX (Windows)

MacTeX (Mac)

Install an editor (LyX, TeXstudio, Emacs)

Or Share LaTeX (Online)

Basic LaTeX

```
\documentclass{article} %what do we want to write


\begin{document} %start
Hello world!
\end{document} %stop
```

To view what you wrote, you must compile the LaTeX

This process will organise spacing, formatting, etc. for you

Resources

[LaTeX Wikibook](#) – Very good explanations and examples

[LaTeX Stack Exchange](#) – Forum, search before asking questions

Google – generally every problem you will have is not new

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