

L^AT_EX Workshop

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What is \LaTeX ?

- Developed by Leslie Lamport in the 1980s
- User-friendly version to use \TeX ($\LaTeX = \text{Lamport } \TeX$)
- High-quality typesetting system with minimal effort
- Produces exactly the same result across all computers (\TeX -logic)
- Usually used for technical reports and scientific articles
- Main difference between word and \LaTeX :
 - Word: “what you see is what you get” (**WYSIWYG**) – you have to format everything individually
 - \LaTeX : “what you see is what you mean” (**WYSIWYM**) – you enter plain text and \LaTeX does the rest

First introduction i

– **Structure** of a \LaTeX document

1. **Preamble:** Defines all the necessary settings (e.g., font, line spacing, packages)

```
1 \documentclass{article}
2 \usepackage[utf8]{inputenc}
3
4 \title{\LaTeX workshop}
5 \author{Cosima}
6 \date{October 2018}
```

2. **Main document:** Your plain text

```
8 \begin{document}
9
10 \maketitle
11
12 \section{Introduction}
13 Some intelligent text here.
14
15 \end{document}
```

Result:

ℒ_Tℒ_EXWorkshop

Cosima

October 2018

1 Introduction

Some intelligent text here.

Open the following link: <https://bit.ly/2A2vSxp>

Accessible here: <https://bit.ly/2DHqGm7>

– **Now it's your turn...**

1. Open: <https://bit.ly/2DHqGm7>
2. Rename title
3. Add your name
4. Add something to the abstract
5. Highlight some parts of the text (`emph`, `textbf`, `textit`)
6. Decrease the size of some parts of the text
7. Add a figure
8. Add a table (You may want to use the tablegenerator:
<https://www.tablesgenerator.com>)
9. Add a subsection
10. Generate a list with dashes
11. Add one reference

Further links

- **30-minutes tutorial:** https://www.overleaf.com/learn/latex/Learn_LaTeX_in_30_minutes
- **General tutorials:**
<https://www.overleaf.com/learn/latex/Tutorials>
- **To get an idea of \LaTeX :** <https://bit.ly/2OudKm>
- **Templates:** <https://www.overleaf.com/latex/templates>
- **If you are lost:** Google, <https://tex.stackexchange.com>,
and/or <https://stackoverflow.com/questions/tagged/latex>