

# LaTeX practice work

## Beamer presentation

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# Introduction to LaTeX

## What is LaTeX?

LaTeX is the collective name for a document preparation system. It includes a set of tools that generate print-ready documents (usually in PDF format) from text files written using a special markup language. TeX itself is the low-level markup and programming language which underpins it.

# Why and what is LaTeX used for?

Typically, LaTeX is used to write articles, documents, reports and develop presentations.

This markup language has a number of advantages:

- ▶ Easy to type mathematical formulas, design graphs, algorithms and other formulas
- ▶ Style, fonts, table layout and drawings are consistent throughout the whole document
- ▶ It is free and easy to use
- ▶ Since the source document simply contains text, you can use software tools to create tables, figures, formulas, etc

# My experience of using LaTeX

Initially, I had only heard about LaTeX from friends, who told me how useful it was for writing formulas for mathematical assignments. However, I considered the markup language itself to be complicated, because you have to learn a number of commands to use it.

Eventually I realised that I wanted to learn LaTeX and I would need it in my 3rd year at **DSBA**, so I chose this course in my summer internship. To be honest, I learned it in just a couple of hours, designed my coursework report nicely, and started actively using formulas. Now I can confidently say that I master this markup language well and I will definitely actively use it in the future and recommend it to my friends.

# LaTeX features

As already mentioned, LaTeX is as easy as possible to create formulas, which is a distinct advantage over Word, for example:

$$\sqrt[n]{1 + x + x^2 + x^3 + \cdots + x^n}$$

It's also convenient for inserting pictures:



# Conclusion

Thank you for the course and for your attention!