Laboratory Work Report No. 2

Practical Scientific Writing

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Information

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Work Objectives and Tasks

The objective of this laboratory work is to familiarize with the document structure in LaTeX.

Tasks: Review and work with the document structure in TexLive:

1. Try adding text to your first document, typesetting and seeing the changes in your PDF.
2. Make some different paragraphs and add variable spaces.
3. Explore how your editor works; click on your source and find how to go to the same line in your PDF.
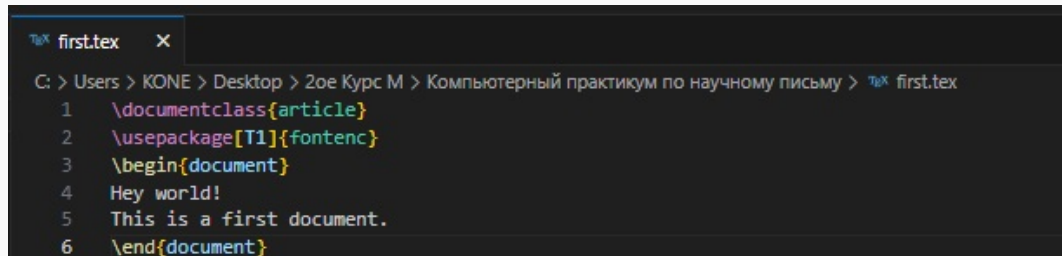4. Try adding some hard spaces and see how they influence line-breaking.

Theoretical Introduction

Basic LaTeX Document Structure

```
\documentclass{article}
\usepackage[T1]{fontenc}
\begin{document}
Hey world!
This is a first document.
\end{document}
```

(see Fig. (**fig:001?**))

Running LaTeX

Compilation Process

(see Fig. (**fig:002?**))

Adding Footnotes and Formatting

```latex
\documentclass[a4paper,12pt]{article} % The document class with options
% select T1 font encoding: suitable for Western European Latin scripts
\usepackage[T1]{fontenc}
% A comment in the preamble
\begin{document}
% This is a comment
This is a simple
document\footnote{with a footnote}
This is a new paragraph.
\end{document}
```

(see Fig. (**fig:006?**))

first.tex   ✕

Laboratory Work Execution

Task 1: Creating First Document
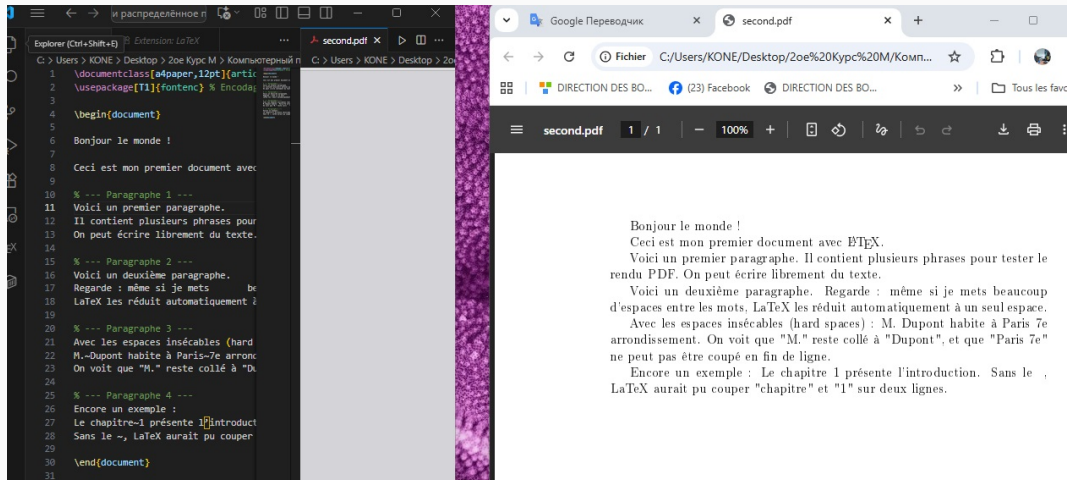
Adding Text and Typesetting

(see Fig. (**fig:009?**))

Task 2: Paragraphs and Variable Spaces

Creating Different Paragraph Structures

(see Fig. (**fig:010?**))

Editor Features and Line-breaking Control
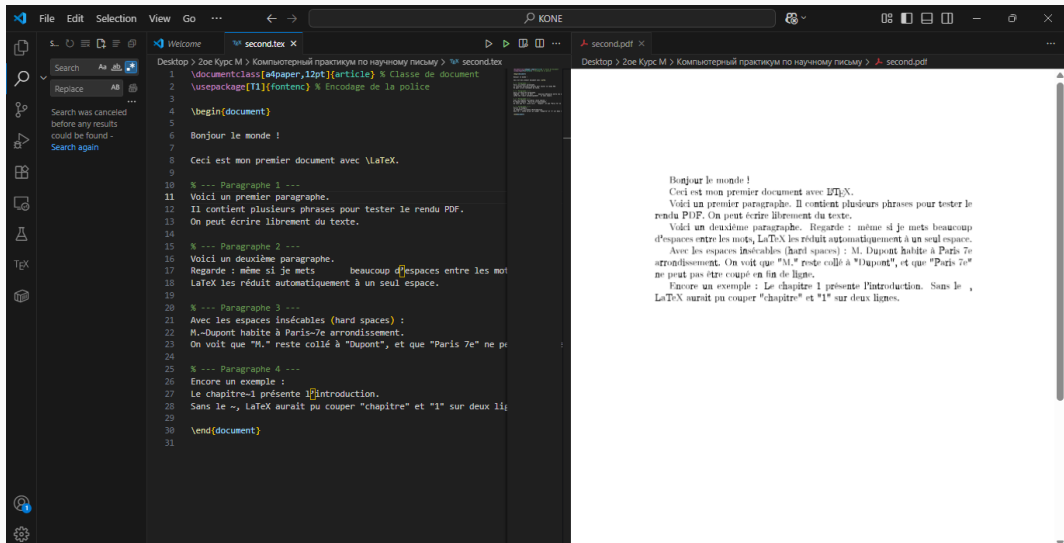
Conclusion

Conclusion

Thus, the objective of installing TeXlive was achieved, and I became familiar with working with its structure as well as with the LaTeX system. The laboratory work allowed me to practice creating LaTeX documents, understanding paragraph formatting, and using non-breaking spaces to control line-breaking behavior.

Thank you for your attention