

L^AT_EX for Theses — Workbook

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1 Exercise 1 — Opening TeXNicCentre

1. Navigate **Start > All Programs > Programming Languages > TeXNicCentre** and open the application.
2. You may need to configure the application on first run; accept the defaults. This uses the MiKTeX \LaTeX distribution that has already been installed.
3. In the top menu ribbon, change the compiler from \LaTeX > DVI to \LaTeX > PDF.

2 Exercise 2 — Hello World!

1. Create a new document.
2. In the writing pane, write the following lines:

```
\documentclass{article}  
\begin{document}  
Hello World  
\end{document}
```

3. Save the file.
4. Click on the compile button.
5. Open the pdf file.

3 Exercise 3 — Customise the University Thesis Document

4 Exercise 4 — Adding a Chapter

5 Exercise 5 — Referencing

6 Exercise 6 — Cross-referencing

7 Exercise 7 — Adding Figures

8 Exercise 8 — Drawing Tables

9 Exercise 9 — Writing Equations

10 Exercise 10 — Inserting a quote

Try inserting a quote using the `\quote` environment:

```
\begin{quote}  
I think therefore I use \LaTeX for typesetting.  
\end{quote}
```

11 Exercise 11 — Escaped & Special Characters

Try using reserved characters like &, \, and %, and you'll run into difficulty. Try writing the following:

```
If you need to write an ampersand (\&), use the slash to escape or it will  
not render.  
Similarly, if you wanted to use a slash or backslash (\backslash), you must  
use a command. If you need accents, they are often produced l\like that.
```