

# L<sup>A</sup>T<sub>E</sub>X Part II

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# What we'll cover about $\text{\LaTeX}$

- How to write it

- ☐ Vim
- ☐ TexMaker
- ☐ Lyx

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- What to write with it

- ☐ Articles
- ☐ Presentations (this presentation! [bit.ly/muglatrix](http://bit.ly/muglatrix))
- ☐ Résumés

# What we'll cover about L<sup>A</sup>T<sub>E</sub>X

## ■ How to write it

- Vim
- TexMaker
- Lyx

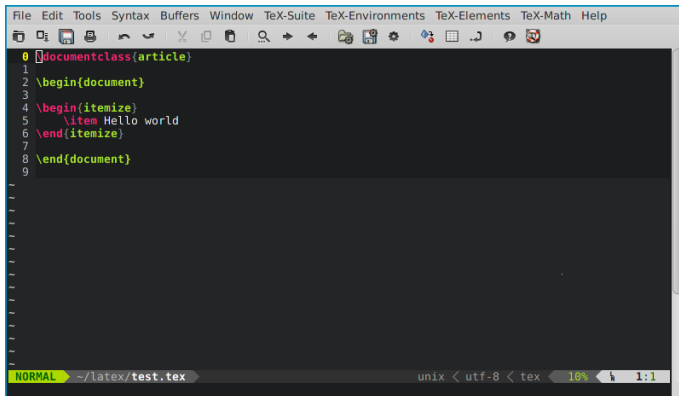
## ■ What to write with it

- Articles
- Presentations (this presentation! [bit.ly/muglatrix](http://bit.ly/muglatrix))
- Résumés

## ■ Related topics

- ConTeXt
- Pandoc

# How to write it – Vim

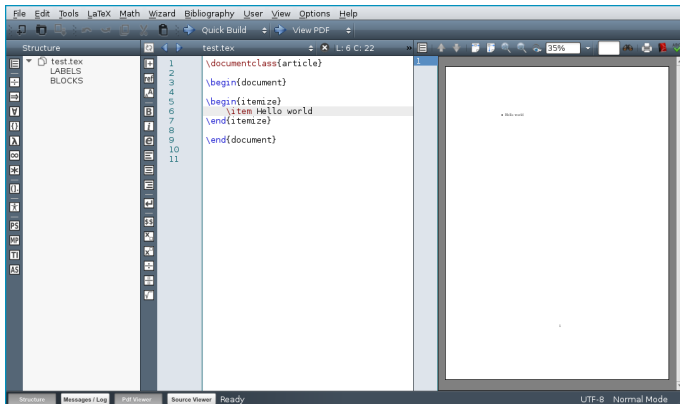


The screenshot shows the Vim text editor interface. The menu bar at the top includes File, Edit, Tools, Syntax, Buffers, Window, TeX-Suite, TeX-Environments, TeX-Elements, TeX-Math, and Help. The toolbar below the menu contains various icons for file operations and editing. The main text area displays a LaTeX document structure with line numbers 0 through 9 on the left. The code is as follows:

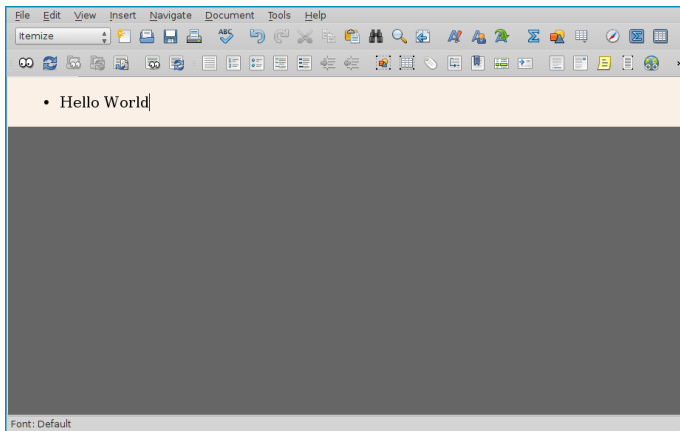
```
0 \documentclass{article}
1
2 \begin{document}
3
4 \begin{itemize}
5   \item Hello world
6 \end{itemize}
7
8 \end{document}
9
```

The status bar at the bottom shows "NORMAL" in a green box, followed by the file path "~/latex/test.tex", the operating system "unix", the encoding "utf-8", the file type "tex", the zoom level "10%", and the cursor position "1:1".

# How to write it – TexMaker



# How to write it – Lyx



## What to write with it – Articles

```
\documentclass[options]{article}
```

1. Set title, author, date
2. Specify sections, subsections
3. Embed graphs, images, etc.



# What to write with it – Presentations

```
\documentclass[options]{beamer}
```

1. Set title, author, date
2. Specify slides
3. Slide entrances, transitions

## What to write with it – Résumés

```
\documentclass[options]{moderncv}
```

1. Set contact information
2. Specify experience, skills, date ranges

## Related topics – Pandoc

- Markup conversion program
- Convert to/from  $\text{\LaTeX}$

## Related topics – XeTeX

- Typography-focused
- UTF-8 input