

# Learning L<sup>A</sup>T<sub>E</sub>X

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# Chapter 1

## Table of contents

Command to tell  $\text{\LaTeX}$  to show table of contents

```
1 \tableofcontents
```

Listing 1.1: Add table of contents

Add certain title to the TOC.

```
1 \section*{Abstract}  
2 \addcontentsline{toc}{chapter}{Abstract}
```

Listing 1.2: Add table of contents



# Chapter 2

## L<sup>A</sup>T<sub>E</sub>X Symbols

### 2.1 Accents letters

von Kármán `\von K\'arm\'an`

### 2.2 unsorted

Table 2.1: L<sup>A</sup>T<sub>E</sub>X special symbols

Symbol	Command	Usage	Package
-	<code>\_</code>		
\	<code>\textbackslash</code>		
{ }	<code>\{ \}</code>		
%	<code>\%</code>		
	<code>\textbar</code>		
1°	<code>\ang{1}</code>		siunitx
~	<code>\$ \sim \$</code>		
·	<code>\$ \cdot \$</code>	multiplication symbol	
$\frac{1}{y}$	<code>\$ \dfrac{1}{y} \backslash \textbf{biggr} \rvert \$</code>		
$\underbrace{\mathbf{F}}_{\vec{t}}$	<code>\$ \underbrace{\mathbf{F}}_{\vec{t}} \$</code>		
±	<code>\$ \pm \$</code>		
9°14'55"	<code>\$ \$ \ang{9;14;55} \$</code>		
<	<code>\textless</code>		
>	<code>\textgreater</code>		
v	<code>\$ \upsilon \$</code>		
u, $\dot{u}$ , $\ddot{u}$	<code>\$ u, \dot{u}, \ddot{u} \$</code>		
≡	<code>\$ \equiv \$</code>		
ℓ	<code>\$ \ell \$</code>		
$\max_{1 \leq j \leq n}$	<code>\$ \max \limits_{1 \leq j \leq n} \$</code>		
$\lim_{\Delta x \rightarrow a \atop \Delta y \rightarrow b}$	<code>\$ \lim_{\substack{\Delta x \rightarrow a \\ \Delta y \rightarrow b}} \$</code>		