

L^AT_EX Interactive Session

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Overview

- 1 Assignment
- 2 Errors
- 3 More environments
 - Lists
 - Code
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Assignment

Questions

Do you have any questions related to the assignment?

Assignment

Style

Let \LaTeX do the work for you!

Errors

Always go top to bottom!
Always fix all errors and warnings!

Input	Action
x	exit compilation
q	carry on quietly
e	stop compilation, go to error
h	help
i	insert correction
r	run nonstop

Table: Error prompt responses.

Errors - Undefined

! Undefined control sequence.

Check the spelling and whether you have included the package containing the command.

Errors - Math Mode

! Missing \$ inserted

You're not in math mode, but you used a command that can only be used in math mode. $\text{T}_{\text{E}}\text{X}$ uses $\$$ to enter and exit math mode, but \LaTeX uses $\backslash()$, $\backslash[]$ and the equation environment.

Errors - Bad hbox

Underfull/Overfull \hbox

\LaTeX has to force a line to have smaller or larger spaces than allowed. Check line breaks and hyphenation.

Errors - Missing package

! LaTeX Error: File 'graphiks.sty' not found.

Check spelling. Otherwise make sure the package is installed or downloaded and available.

Unordered list

Example (Input)

```
\begin{itemize}
  \item A
  \item B
  \item C
\end{itemize}
```

Example (Output)

- A
- B
- C

Ordered list

Example (Input)

```
\begin{enumerate}
  \item A
  \item B
  \item C
\end{enumerate}
```

Example (Output)

- 1 A
- 2 B
- 3 C

Description list

Example (Input)

```
\begin{description}
  \item[Name 1] description 1
  \item[Name 2] description 2
  \item[Name 3] description 3
\end{description}
```

Example (Output)

Name 1 description 1
Name 2 description 2
Name 3 description 3

Description list

Example (Input)

```
\begin{description}
  \item[Name 1] \hfill \\
      description 1
  \item[Name 2] \hfill \\
      description 2
  \item[Name 3] \hfill \\
      description 3
\end{description}
```

Example (Output)

```
Name 1
      description 1

Name 2
      description 2

Name 3
      description 3
```

Showing code - Verbatim

Example (Input)

```
\begin{verbatim}  
  \textbf{This text won't be bold.}  
  \textit{This text won't be italic.}  
\end{verbatim}
```

Example (Output)

```
\textbf{This text won't be  
\textit{This text won't be
```

Showing code - Listings

Example (Preamble)

```
\usepackage{listings}
\lstset{
  language=[AllaTeX]TeX,
  basicstyle=\footnotesize,
  columns=fullflexible,
  literate={Ð}{{\Thorn}}2 {ó}{{\o}}1,
}
```

Example (Input)

```
\begin{lstlisting}
  \textbf{This text won't be bold.}
  \textit{This text won't be italic.}
end{lstlisting}
```

Example (Output)

```
\textbf{This text won't be bold.}
\textit{This text won't be italic.}
```

Boxes

Example (Input)

```
\makebox[width][pos]{text} % pos = clrsf  
\raisebox{lift}[height][depth]{text}  
\parbox[pos][height][contentpos]{width}{text}  
\begin{minipage}[pos][height][contentpos]{width}  
  text  
\end{minipage}
```



Figure: from the
L^AT_EX Wikibook

Lengths

Abbrev.	Description	Value in pt
pt	default length	0.3515 mm
mm	millimeter	2.84
cm	centimeter	28.4
in	inch	72.27
ex	width of 'x'	
em	height of 'M'	

Table: Common units (less common: bp, pc, dd, cc, sp).

Lengths

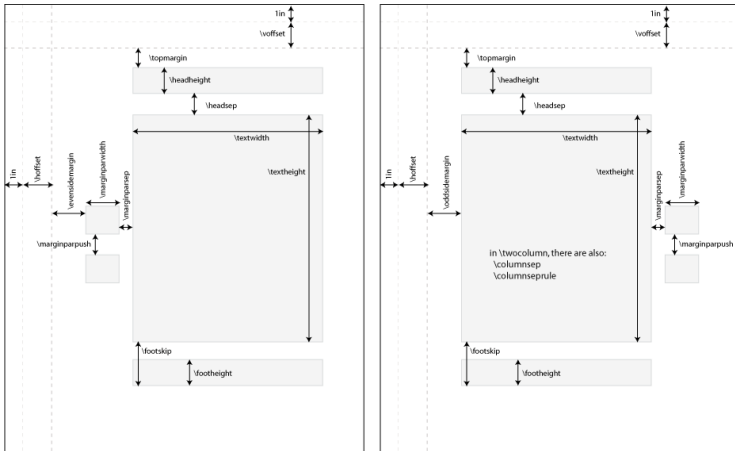


Figure: from <http://latex.knobs-dials.com/>