

Specialities

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1 Bibliography

Produce a bibliography with the `thebibliography` environment.
Each entry starts with

`\bibitem[item]{marker}`

The `marker` is then used to cite the book, article, or paper within the document.

`\cite{marker}`

If the `label` option is omitted, the entries will get enumerated automatically.

`\begin{thebibliography}{arg}` takes a numerical argument:
the widest label expected in the list. This help aligning the bibliography list.

2 Indexing

Indexes | Indices, which one would you choose?

2.1 The `makeidx` Package

```
\usepackage{makeidx}
```

Then put `\makeindex` in the preamble.

The content of the index specified with the command:

```
\index{<key>@<formatted entry>}
```

<code>key</code>	is for sorting.
<code>formatted entry</code>	will appear in the index.
	If it is missing, the <code>key</code> will be used.

When the input file is processed with \LaTeX , each `\index` command writes an appropriate index entry, together with the current page number to a file with the `.idx` extension.

The `.idx` file can be processed with:

```
makeindex <filename>
```

This program generates a sorted index with the same base file name, but with the extension `.ind`.

```
.tex → .idx → .ind
```

Steps

1. `pdflatex file.tex`
2. `makeindex file.ind`
3. `pdflatex file.tex`
4. `pdflatex file.tex`

If now the input file is processed again, this sorted index gets included into the document at `\printindex`.

```
\printindex
```

2.2 The showidx Package

The `showidx` package that comes with $\text{\LaTeX} 2_{\varepsilon}$ prints out all index entries in the left margin of the text. This is quite useful for proofreading a document and verifying the index.

Note that `\index` command can affect the layout if not used carefully.

3 Fancy Headers

The `fancyhdr` package provides a few simple commands that used to customize header and footer lines.

Six Deprecatd Commands

Syntax

`\lhead[<even output>]{<odd output>}`

Table 1: Six Deprecatd Commands

<code>\rhead</code>	<code>\chead</code>	<code>\lhead</code>
<code>\rfoot</code>	<code>\cfoot</code>	<code>\lfoot</code>

Use These Instead

`\fancyhead[selectors]{output}`

 or `\fancyfoot`

Selectors

E	even page
O	odd page
L	left side
C	centered
R	right side

e.g., `CE,R0`: center of the even pages and to the right side of the off pages.

To start from scratch, this command will delete the current header/footer configuration.

`\fancyhf{}`

`\fancyhf` is just a merge of `\fancyhead` and `\fancyfoot`.

Mandatory arg:

; Optional arg: `YYY`.

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Bibliography

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