idxcmds

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create commands for adding formatted index entries

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English documentation

Contents

1 Licence and Requirements

Permission is granted to copy, distribute and/or modify this software under the terms of the LaTeX Project Public License, version 1.3 or later (`http://www.latex-project.org/lppl.txt`). The package has the status "maintained."

IDXCMDS loads and needs the the package etoolbox.[1]

2 Usage

2.1 Available Commands

IDXCMDS provides these commands:

▶ \newidxcmd[<index cs>]{\cmd}{<formatting specs>}[<app to idx entry>]
  Defines a command \cmd. See next section for a description. Default for <index cs> is \index.

▶ \newsubmainidxcmd[<index cs>]{\cmd}{<formatting specs>}[<app to i. e.>]
  Defines a command \cmd. See next section for a description. Default for <index cs> is \index.

▶ \newsubidxcmd*[<index cs>]{\cmd}{<main entry>}{<formatting specs>}[<app to i. e.>]
  Defines a command \cmd. See next section for a description. Default for <index cs> is \index.

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[1] CTAN: etoolbox

1

2.2 Command Usage

`\newidxcmd` will define a new command with the following syntax:

▸ `\cmd*{<text>}` ⟶ format <text> according to specifications, no index entry.

▸ `\cmd{<text>}` ⟶ format <text> according to specifications, add formatted index entry, sorted according to <text>.

▸ `\cmd[<srt idx>]{<text>}` ⟶ format <text> according to specifications, add formatted index entry, sorted according to <srt idx>.

Let's see an example:

```
1  % preamble:
2  % \newidxcmd\acr{\textsc{#1}}
3  % \newidxcmd[{\index[examples]}]\environ{\texttt{#1}}[ (Environment)]
4  % \newidxcmd\name{\textsf{#1}}
5  \acr{cd}, \acr{id}
6
7  \environ{center}, \environ{flushleft}
8
9  \name*{Albert Einstein}, \name[Heisenberg]{Werner Heisenberg}

   CD, ID
   center, flushleft
   Albert Einstein, Werner Heisenberg
```

You will find these examples in the index or the examples index, resp. The second set of examples shows the purpose of the first optional argument: if you have several indexes – like this documentation has for demonstration purposes – you might need to specify the index command used. This document uses imakeidx[2] for this purpose.

`\newsubmainidxcmd` will define a new command with the following syntax:

▸ `\cmd*{<text>}` ⟶ format <text> according to specifications, no index entry.

▸ `\cmd{<text>}{<main entry>}` ⟶ format <text> according to specifications, add formatted index entry, sorted according to <text>.

▸ `\cmd[<srt idx>]{<text>}{<main entry>}` ⟶ format <text> according to specifications, add formatted index entry, sorted according to <srt idx>.

```
1  % preamble
2  % \newsubmainidxcmd\file{\textsf{#1}}
3  \file{article}{classes} is a standard \LaTeX{} class.
4  \file{scrartcl}{KOMA-Script@\KOMAScript} is part of the \KOMAScript{} bundle.
5  \file*{test} is an dummy.
```

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[2] CTAN: imakeidx

> article is a standard LaTeX class. scrartcl is part of the KOMA-Script bundle. test is an dummy.

\newsubidxcmd will define a new command with the same syntax as \newidxcmd does. However, \newsubidxcmd has an additional argument that specifies the main entry this group of sub entries belongs to. In the unstarred variant this argument can be some arbitrary main entry. In the starred variant it demands a command plus argument defined by \newidxcmd as argument.

```
1  % preamble:
2  % \newsubidxcmd\test{Test}{\textcolor{red}{#1}}
3  % \newsubidxcmd*\hsnbg{\name[Heisenberg]{Werner Heisenberg}}{#1}
4  \name[Heisenberg]{Werner Heisenberg} was born in \hsnbg{W\"urzburg, Germany}.
5  And this is a \test{test}.

   Werner Heisenberg was born in Würzburg, Germany. And this is a test.
```

2.3 Options

IDXCMDS has these option:

▶ sortsep = <symbol>   Default: @
   set makeindex symbol to separate the index into sorting and typesetting part as specified in the index style file.

▶ subsep = <symbol>   Default: !
   set makeindex symbol to add a sub entry as specified in the index style file.

Index

Example Index