Example for lastpage

This example demonstrates the use of package lastpage, v2.0e as of 2023-10-14 (HMM; JPG).
The package takes no options.
For more details please see the documentation!

To hide the keys use option final instead of draft with the showkeys package
(or remove the package call from the preamble of this document).

**Hyperlinks or not:** If the hyperref package is loaded, the references are also hyperlinked:

```
Last page’s name (LastPage):
```

If the hyperref package is loaded, but the hyperlinks of the references shall be suppressed, `\pageref*{...}` can be used:

```
Last page’s name (LastPage):
```

**Trademarks** appear throughout this example without any trademark symbol; they are the property of their respective trademark owner. There is no intention of infringement; the usage is to the benefit of the trademark owner.

**Tip:** Use *logical page numbers* for the display of the pdf (in Adobe Acrobat Reader 2023.006.20320: Edit > Preferences > Page Display > Page Content and Information: Use logical page numbers)!

If you are more ambitious in respect to your aims with this package, you might want to have a look at the pageslts package:

[https://ctan.org/pkg/pageslts](https://ctan.org/pkg/pageslts)

The page (`\thepage`): 1
Last page’s name (LastPage):
There was the question:

\documentclass{article}
\usepackage{hyperref}
\usepackage{lastpage}
\begin{document}
\ifnum\thepage=\pageref{LastPage} foo \else bar \fi
\end{document}
producing the error “missing number, treated as zero”.

\pageref{LastPage} inserts a hyperlink, \pageref{LastPage} is not expandable and the code breaks.
The code does not generally work even without hyperref.

\documentclass{article}
\usepackage{hyperref}
\usepackage{lastpage}
\pagenumbering{Roman}
\begin{document}
\addtocounter{page}{8}
\edef\here{\thepage}
\makeatletter
\ifx\here\lastpage@lastpage foo \else bar \fi
\makeatother
\end{document}
does work, because \lastpage@lastpage contains the name of the page, example:

Page \thepage{} is (not) page \lastpage@lastpage\makeatletter\lastpage@lastpage\makeatother.

prints:
Page II is (not) page IV.
This can be broken for example by \pagenumbering{fnsymbol} (because then \edef\here{\thepage} does not work).
With modern \LaTeX{} it is possible to say:

\begin{verbatim}
\NeedsTeXFormat{LaTeX2e}[2023-06-01]
\documentclass{article}
\begin{document}
\addtocounter{page}{8}\
\ExplSyntaxOn\
xdef\test{\numexpr\the\g_shipout_readonly_int +1\relax}\
\ExplSyntaxOff\
\ifnum\previoustotalpages=\test\relax\
This is the last page.\
\else\
This is not the last page\par
(or it is but \LaTeX{} needs another compilation run to detect this).\
\fi\
\end{document}
\end{verbatim}
The End

The page (\thepage): IV
Last page’s name (LastPage): \texttt{IV}

To see the content of the enddocument/afterlastpage-hook (for a recent \LaTeX-format!) use \texttt{\ShowHook{enddocument/afterlastpage}}.