

# The `printfilelist` package\*

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Source repo: <https://github.com/gaksaray/printfilelist>.

## 1 Introduction

This is a  $\text{\LaTeX}$  package to add a macro for printing a list of files used by the current document. The package provides two commands: `\printfilelist` and `\ispackageloaded`, both of which can be used at any point within the current document.

## 2 Usage

To use this package, simply include in the preamble

```
\usepackage{printfilelist}
```

right before `\begin{document}`. That is, `printfilelist` should be loaded as the last package.

`\printfilelist[filter]` This macro, by default, prints a list of all files used by the current document along with their version information. Replace the optional argument *filter* with any text to filter results. For example, you can write

```
\printfilelist[.sty]
```

to print only the `.sty` files.

`\ispackageloaded{package}` This macro prints whether *package* is loaded or not. If it's loaded, the output is equivalent to typing `\printfilelist{package.sty}` without the paragraph breaks.

Both `\printfilelist` and `\ispackageloaded` commands have starred versions for suppressing the file version information to list only the file and package names.

## 3 Package Compatibility

This package relies on `xstring` and `suffix` packages. These packages are omitted in the output unless they are explicitly loaded earlier in the document preamble.

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\*This document corresponds to `printfilelist` v1.0.0, dated 2024/01/05.

## 4 Implementation

```

1 \let\thefilelist\@filelist
2 \RequirePackage{xstring}
3 \RequirePackage{suffix}

\ispackageloaded

4 \newcommand*{\ispackageloaded}[1]{%
5   \begingroup
6   \if\relax\detokenize{#1}\relax
7   \else
8     \ifcsname ver@#1.sty\endcsname
9       \noindent\texttt{#1.sty}: \csname ver@#1.sty\endcsname%
10    \else
11      \noindent\texttt{#1} is not loaded%
12    \fi
13  \fi
14 \endgroup
15 }

16 \WithSuffix\newcommand\ispackageloaded*[1]{%
17   \begingroup
18   \if\relax\detokenize{#1}\relax
19   \else
20     \ifcsname ver@#1.sty\endcsname
21       \noindent\texttt{#1} is loaded%
22     \else
23       \noindent\texttt{#1} is not loaded%
24     \fi
25   \fi
26 \endgroup
27 }

\printfilelist

28 \newcommand*{\printfilelist}[1][.]{%
29   \begingroup
30   \par
31   \@for\thefile:=\thefilelist\do{%
32     \filename@parse\thefile % for later use
33     \if\relax\detokenize{#1}\relax
34       \noindent\texttt{\thefile}%
35       \ifcsname ver@\thefile\endcsname
36         {: \csname ver@\thefile\endcsname}
37       \fi
38     \else
39       \IfSubStr{\thefile}{\printfilelist.sty}{-}{
40         \IfSubStr{\thefile}{#1}{
41           \noindent\texttt{\thefile}%
42           \ifcsname ver@\thefile\endcsname
43             {: \csname ver@\thefile\endcsname}
44           \fi
45         }{}
46       }
47     \fi

```

```

48     \par
49   }
50   \endgroup
51 }
52 \WithSuffix\newcommand\printfilelist*[1][.]{%
53   \begingroup
54   \par
55   \@for\thefile:=\thefilelist\do{%
56     \filename@parse\thefile % for later use
57     \if\relax\detokenize{#1}\relax
58       \noindent\texttt{\thefile}
59     \else
60       \IfSubStr{\thefile}{\printfilelist.sty}{}{
61         \IfSubStr{\thefile}{#1}{
62           \par\noindent\texttt{\thefile}\par
63         }{}
64       }
65     \fi
66     \par
67   }
68   \endgroup
69 }

```