

# Package ‘noweb’

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**Title** The 'noweb' System for R  
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**Priority** optional  
**Version** 1.1-4  
**Author** Terry Therneau  
**Description** The noweb system for source code, implemented in R.  
**License** LGPL-2  
**VignetteBuilder** noweb  
**NeedsCompilation** no  
**LazyData** true  
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| notangle | <i>Extract code from a noweb object</i> |
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## Description

Extract a named bit of code from the noweb source of R functions

## Usage

```
notangle(file, target = "*", out, syntax = nowebSyntax, ...)
```

**Arguments**

|        |  |
|--------|--|
| file   | an input file containing noweb code, or alternately an object of class noweb as created by the nwread function.  |
| target | the target code chunk to extract. The parent .Rnw file will contain <<chunk-name>> directives. A standard approach is to use * as the name of a chunk that will extract all the code fragments.  |
| out    | a file name on which to write the result. By default this will be the name of the target with ".R" added, or if the target is "*" it will be the name of the input file with it's final suffix changed to ".R". A value of out=NULL can be used to suppress file creation. |
| syntax | defines the syntax to detect code chunks. This would rarely if ever be changed by a user.  |
| ...    | extra arguments; unused. (Compatibility with Sweave).  |

**Value**

A character vector containing the code, with the invisible attribute set to prevent automatic printing.

**Author(s)**

Terry Therneau

**References**

N Ramsay. Literate programming simplified. IEEE Software 11:97-105, 1994.

**See Also**

[noweave](#)

**Examples**

```
## Not run:
# Extract the nwread function
notangle("noweb.Rnw", "nwread")

## End(Not run)
```

---

noweave

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*Extract documentation from a noweb object*


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**Description**

Write a TeX file from a noweb source file.

**Usage**

```
noweave(file, out, indent=1, syntax=nowebSyntax, ...)
```

**Arguments**

|        |  |
|--------|--|
| file   | an input file containing noweb code, or alternately an object of class noweb as created by the nwread function.                        |
| out    | a file name on which to write the result. By default this will be the name of the input file with it's final suffix changed to ".tex". |
| indent | the amount to indent code chunks   |
| syntax | defines the syntax to detect code chunks. This would rarely if ever be changed by a user.  |
| ...    | extra arguments; unused. (Compatibility with Sweave).  |

**Details**

R code written using noweb is a mixture of Latex documentation and chunks of R code. The noweave command formats these into a TeX document which is designed to explain the code to a human. The notangle command writes out R files for the computer's use.

**Author(s)**

Terry Therneau

**See Also**

[notangle](#)

**Examples**

```
## Not run:
# Create the TeX file of documentation for the noweb library
noweave("noweb.Rnw")
## End(Not run)
```

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noweb.sty

*Style file for noweb documents*


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**Description**

Style file for noweb documents

**Usage**

```
noweb.sty
```

**Format**

vector of character strings

**Details**

Latex files created by the `noweave` command will contain the line `usepackage{noweb}`, which in turn will try to load the file `noweb.sty`. A copy of this file needs to be either in the local directory or on the search path used by Latex.

This data set is a copy of the file; create a disk copy for Latex by using `write(noweb.sty, file="noweb.sty")`.

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