Package 'english'

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Type Package

Title Translate Integers into English

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Description Allow numbers to be presented in an English language
version, one, two, three, ... Ordinals are also available,
first, second, third, ... and indefinite article choice, ``a'' or ``an''.

Suggests utils, knitr, rmarkdown

License GPL-2

LazyLoad yes

NeedsCompilation no

Encoding UTF-8

RoxygenNote 7.1.1

VignetteBuilder knitr

Repository CRAN

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R topics documented:

as.english *"_PACKAGE" Numbers in Englis Words*

Description

Converts numerical vectors into object that display as English words

Usage

```
as.english(x, ...)

english(x, ...)

## Default S3 method:
english(x, ...)

## S3 method for class 'numeric'
english(x, UK, ...)

## S3 method for class 'english'
as.numeric(x, ...)

## S3 method for class 'english'
print(x, ...)

## S3 method for class 'english'
rep(x, ...)

## S3 method for class 'english'
x[i]

## S3 method for class 'english'
format(x, ...)

## S3 method for class 'english'
as.character(x, ...)

## S3 method for class 'english'
sort(x, decreasing = FALSE, ...)
```

Arguments

x	A numerical vector, usually integer.
...	Additional arguments passed on, currently mostly ignored
UK	Logical, Use the UK (English) style (TRUE) or the USA (American) style (FALSE). The default can be set as `options(english.UK = TRUE)`; if unset, a suitable style is guessed from the user's current locale.

i	Index vector of any kind
decreasing	Logical: should the sorting be in decreasing order?

Value

A numerical object that can be printed as English words, or coerced to character as English words

Examples

```
english(10000) + (-5):5
set.seed(123)
(jumble <- english(sample(1:20)))
sort(jumble)
(x <- english(sample(1:100, 10)))
sort(x)
toupper(english(1:10))
## For mothers of small children:
cat(paste("This is the", ordinal(1:5), "time I've told you!"), sep = "\n")
```

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indefinite *Add Indefinite Article*

Description

Adds an initial indefinite article "a" or "an" to a numerical object expressed either as digits or as words in the result. The capitalized form, `Initial`, capitalizes the initial letter: "An" or "A".

Usage

```
indefinite(n, ...)

## S3 method for class 'numeric'
indefinite(n, words = TRUE, ...)

## S3 method for class 'english'
indefinite(n, words = TRUE, ...)

## S3 method for class 'ordinal'
indefinite(n, ...)

## S3 method for class 'character'
indefinite(n, ...)

Indefinite(n, ...)
```

Arguments

n	either a numeric vector or a ordinal character string.
...	Extra arguments, currently ignored
words	logical: should the numbers be expressed as words (TRUE) or digits (FALSE)?

Value

A character string vector with an article prepended, either capitalized or not.

Examples

```
indefinite(1:12)
paste0(Indefinite(1:12, FALSE), "-stage process")
cat(paste(Indefinite(ordinal(1:10)), " point is ...\n", sep = ""))
```

Ops.english *English Arithmetic*

Description

Allows arithmetic operations on "english" class objects. To make sense the operation should return an integer value.

Usage

```
## S3 method for class 'english'
Ops(e1, e2)
```

Arguments

e1	Numeric vector of object of class "english".
e2	Numeric vector of object of class "english".

Value

Numeric vector of class "english"

Examples

```
english(1:10)^2 + 1:10
english(100) + (-5):5
```

ordinal *Ordinal Numbers*

Description

Generates character strings of the ordinal version of numbers in English words.

Usage

```
ordinal(x, ...)

## S3 method for class 'english'
ordinal(x, ...)

## S3 method for class 'numeric'
ordinal(x, ...)

## S3 method for class 'character'
ordinal(x, ...)

## S3 method for class 'ordinal'
print(x, ...)
```

Arguments

x	A numeric vector, usually integer, or an object of class "ordinal"
...	Ignored. Included only for compatibility.

Value

A character string vector of ordinal versions of the number, with S3 class "ordinal"

Examples

```
ordinal(1:12)
```

words *Express Numbers in Words*

Description

Convert numerical objects to Enghish character strings. A convenience function for use mainly with RMarkdown in-text inserts. The capitalized version, Words, makes the initial letter of the result upper case.

Usage

```
words(x)

Words(x)
```

Arguments

x	A numeric vector, usually integer

Value

A character string vector with the numbers expressed in English words.

Examples

```
cat("The Duke of York had ", words(10006), " men.\n", sep = "")
cat("How many did he have? ", Words(10006), ".\n", sep = "")
```

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