Package ‘versionsort’

March 25, 2022

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**Description**  A lightweight package for sorting version codes in various forms. No strong dependencies guaranteed.

**License**  GPL (>= 3)

**Encoding**  UTF-8

**RoxygenNote**  7.1.2

**Suggests**  covr, spelling, testthat (>= 3.0.0)

**Config/testthat_edition**  3

**Language**  en-US

**NeedsCompilation**  no

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**Repository**  CRAN

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# ver_latest

Find the latest version code

## Description

ver_latest() returns the latest of the version codes.

## Usage

```r
ver_latest(x)
```

## Arguments

- `x` character()
  
  A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

## Value

A character vector with one element.

## See Also

ver_oldest()

## Examples

```r
ver_latest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

---

# ver_oldest

Find the oldest version code

## Description

ver_oldest() returns the oldest of the version codes.

## Usage

```r
ver_oldest(x)
```

## Arguments

- `x` character()
  
  A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").
Value
A character vector with one element.

See Also
ver_latest()

Examples
ver_oldest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))

### Description
ver_order() returns the permutation that rearranges a vector of version codes alphanumerically.

### Usage
ver_order(x)

### Arguments

- **x**  
  character()  
  A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

### Value
An integer vector (for details see order).

### See Also
ver_sort()

### Examples

```r
version_codes <- c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0")
ver_order(version_codes)
# The line below is the same as ver_sort(version_codes)
version_codes[ver_order(version_codes)]
```
Description

`ver_sort()` returns a sorted vector of version codes, where sorting is done alphanumerically.

Usage

`ver_sort(x)`

Arguments

- `x` character()
  A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

Value

A character vector containing the same elements as input, but reordered.

See Also

`ver_order()`

Examples

```r
ver_sort(c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```
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