

# Package: semverutils (via r-universe)

September 7, 2024

**Title** Semantic Version Utilities

**Version** 0.1.0

**Description** Semantic Versions allow for standardized management versions. This package implements semantic versioning handling in R, using R6 to create a mutable object that can handle deciphering and checking versions.

**License** MIT + file LICENSE

**URL** <https://github.com/ajwtech/semverutils>

**BugReports** <https://github.com/ajwtech/semverutils/issues>

**Encoding** UTF-8

**LazyData** true

**Imports** R6, foreach

**Suggests** roxygen2, testthat (>= 2.1.0)

**RoxygenNote** 7.0.2

**Repository** <https://ajwtech.r-universe.dev>

**RemoteUrl** <https://github.com/ajwtech/semverutils>

**RemoteRef** HEAD

**RemoteSha** 438a520493a6aefdfb5c26c89f38f84c1e9d54cf

## Contents

semVer .....	2
<b>Index</b>	<b>4</b>

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semVer	<i>semVer is an R6 class to create an object for working with Semantic versioning</i>
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## Description

semVer is an R6 class to create an object for working with Semantic versioning

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## Public fields

SemVerVersion version of semantic versioning rules to be followed currently only version 2.0.0 is supported.

## Methods

### Public methods:

- [semVer\\$higherThanAll\(\)](#)
- [semVer\\$new\(\)](#)
- [semVer\\$clone\(\)](#)

**Method** `higherThanAll()`: `higherThanAll()` test if the vector of versions passed in are all lower than this object

*Usage:*

```
semVer$higherThanAll(versions)
```

*Arguments:*

`versions` character vector of semantically formatted version numbers

*Returns:* atomic boolean

*Examples:*

```
sem <- semVer$new("3.0.0")
sem$higherThanAll(c("2.0.2", "0.1.0"))
```

**Method** `new()`: initializes a new `semVer` object with the version supplied

*Usage:*

```
semVer$new(version = "", SemVerVersion = "2.0.0")
```

*Arguments:*

`version` character of semantically formatted version numbers

`SemVerVersion` defaults to "2.0.0" no other options currently available.

*Returns:* `semVer` object holding version data

*Examples:*

```
sem <- semVer$new("3.0.0")
```

**Method** clone(): The objects of this class are cloneable with this method.

*Usage:*

```
semVer$clone(deep = FALSE)
```

*Arguments:*

deep Whether to make a deep clone.

## Examples

```
## -----  
## Method `semVer$higherThanAll`  
## -----  
  
sem <- semVer$new("3.0.0")  
sem$higherThanAll(c("2.0.2", "0.1.0"))  
  
## -----  
## Method `semVer$new`  
## -----  
  
sem <- semVer$new("3.0.0")
```

# Index

semVer, [2](#)