S/W Versioning

Apply for your Python Project too!

Versioning

Versioning

? :
The encoding of that compatibility between versions is what gives version numbers *meaning* and since *semantics* is just a fancy word for *meaning,* this is called **Semantic Versioning**, or SemVer for short.
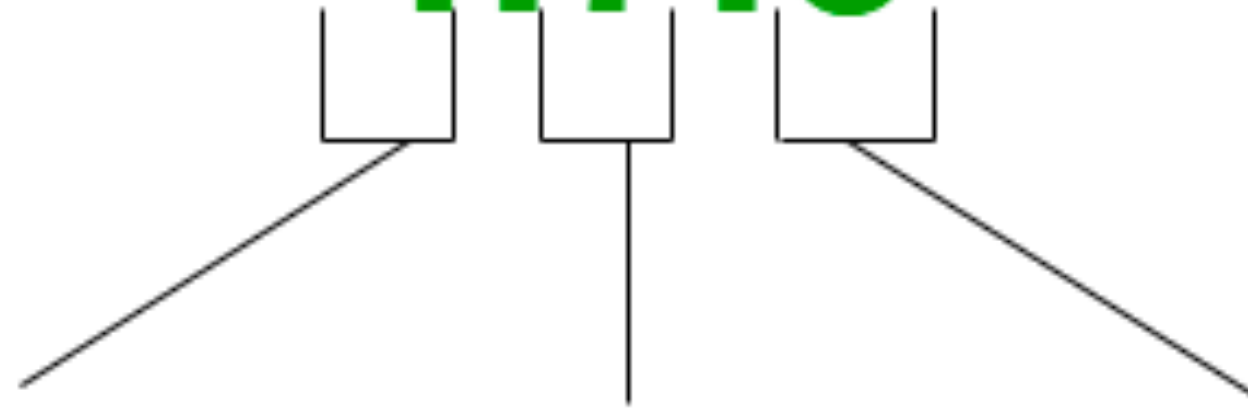
?:
A semantic version number consists of three numbers separate by full stops (or periods).

?:
Each of the numbers in a version number has a specified meaning that signifies something about the compatibility of the software

4.7.6

Major Version

Major Changes
Breaks the API

Minor Version

Minor Changes
Does not break the API

Patches

Bug fixes

2 . 5 . 8

Breaking . Feature . Fix

**NOT safe
to update**

**safe to update,
new features**

**safe to update,
bugfixes**

Breaking API Change   **New Feature**   **Bug Fix**

Focus

Breaking version = includes incompatible changes to the API

Feature version = adds new feature(s) in a backwards-compatible manner

Fix version = includes backwards-compatible bug fixes

Breaking.Feature.Fix is more commonly known as *Major.Minor.Patch*

THANK
YOU.

Versioning