`tkinter` — Python interface to Tcl/Tk ¶

Source code: Lib/tkinter/__init__.py

The `tkinter` package ("Tk interface") is the standard Python interface to the Tcl/Tk GUI toolkit. Both Tk and `tkinter` are available on most Unix platforms, including macOS, as well as on Windows systems.

Running `python -m tkinter` from the command line should open a window demonstrating a simple Tk interface, letting you know that `tkinter` is properly installed on your system, and also showing what version of Tcl/Tk is installed, so you can read the Tcl/Tk documentation specific to that version.

Tkinter supports a range of Tcl/Tk versions, built either with or without thread support. The official Python binary release bundles Tcl/Tk 8.6 threaded. See the source code for the `_tkinter` module for more information about supported versions.

Tkinter is not a thin wrapper, but adds a fair amount of its own logic to make the experience more pythonic. This documentation will concentrate on these additions and changes, and refer to the official Tcl/Tk documentation for details that are unchanged.

> **Note:** Tcl/Tk 8.5 (2007) introduced a modern set of themed user interface components along with a new API to use them. Both old and new APIs are still available. Most documentation you will find online still uses the old API and can be woefully outdated.

> **See also:**
>
> - **TkDocs**
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>   Extensive tutorial on creating user interfaces with Tkinter. Explains key concepts, and illustrates recommended approaches using the modern API.
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> - **Tkinter 8.5 reference: a GUI for Python**
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>   Reference documentation for Tkinter 8.5 detailing available classes, methods, and options.
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> Tcl/Tk Resources: