

# 26. GUI PROGRAMMING

Python provides various options for developing graphical user interfaces (GUIs). Most important are listed below:

- **Tkinter:** Tkinter is the Python interface to the Tk GUI toolkit shipped with Python. We would look this option in this chapter.
- **wxPython:** This is an open-source Python interface for wxWindows <http://wxpython.org>.
- **JPython:** JPython is a Python port for Java which gives Python scripts seamless access to Java class libraries on the local machine <http://www.jython.org>.

There are many other interfaces available, which you can find them on the net.

## Tkinter Programming

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Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications. Tkinter provides a powerful object-oriented interface to the Tk GUI toolkit.

Creating a GUI application using Tkinter is an easy task. All you need to do is perform the following steps:

- Import the *Tkinter* module.
- Create the GUI application main window.
- Add one or more of the above-mentioned widgets to the GUI application.
- Enter the main event loop to take action against each event triggered by the user.

### Example

```
#!/usr/bin/python

import Tkinter

top = Tkinter.Tk()
```