NEXTHIKES IT SOLUTIONS

Internship project – Scientific Calculator using Tkinter in Python.

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Python GUI Libraries:

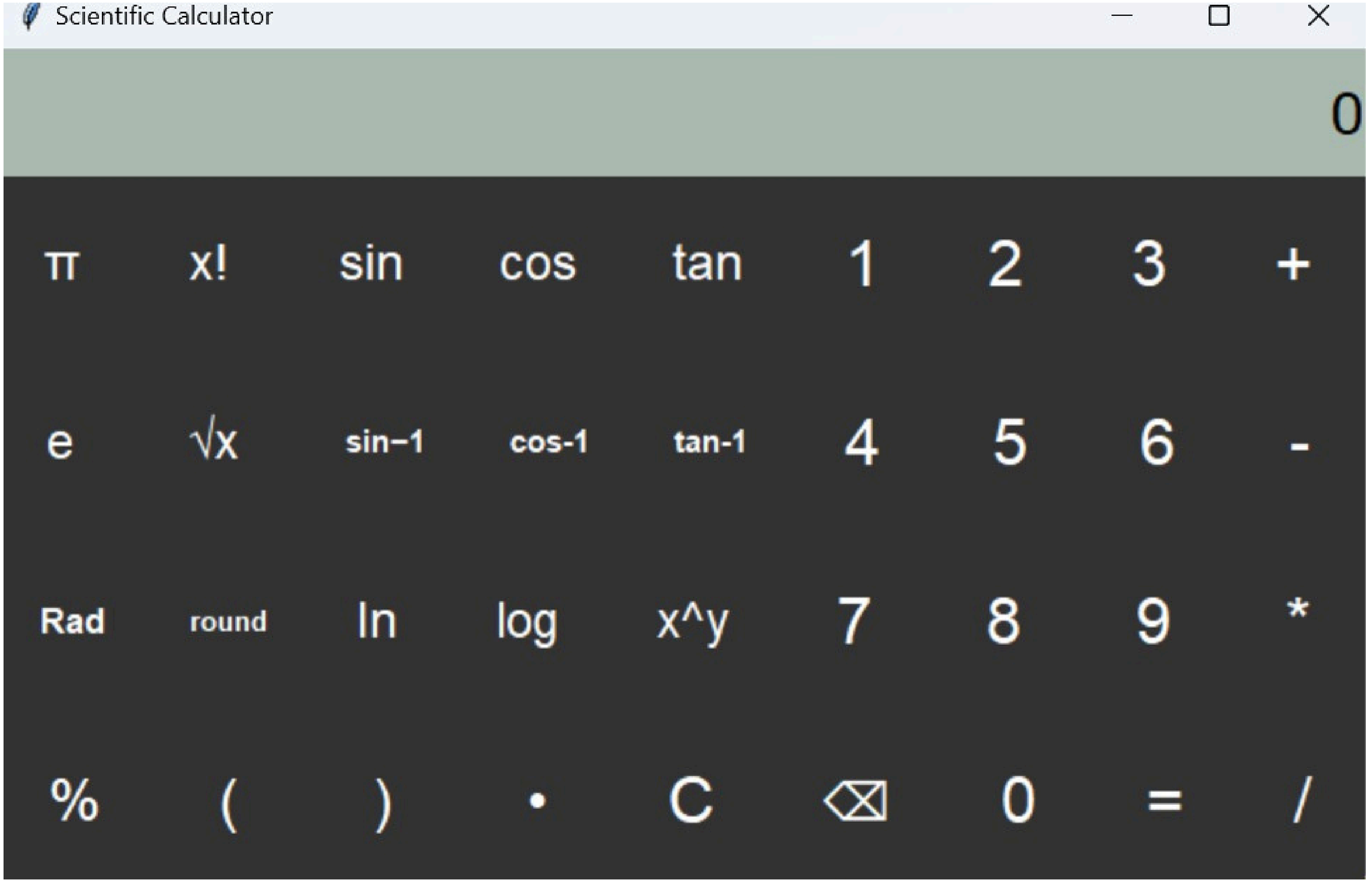
Python GUI (Graphical User Interface) libraries are tools that allow you to create desktop applications with visual elements such as:

- **Buttons**
- **Text boxes**
- **Windows**
- **Drop-down menus**
- **Dialog boxes**

  Instead of interacting through the command line, users can click and interact visually.
  Popular Python GUI libraries include:
- **Tkinter** – Built-in GUI library for Python, simple and lightweight
- **PyQt / PySide** – Feature-rich, professional, but heavier and more complex
- **Kivy** – Good for touch interfaces and mobile-friendly apps
- **wxPython** – Native-looking applications for multiple platforms
- **PyGTK / PyGObject** – For GNOME desktop applications

Why Tkinter suitable (Especially for an intern)?

- **It Comes Built-In With Python**
  Tkinter ships with Python, so you don't need to install extra packages.
- **Perfect for Small to Medium Applications**
  A scientific calculator is not a large or enterprise application. Tkinter is lightweight and fast enough for such projects.
- **Easy to Learn and Use**
  For an intern or beginner, Tkinter is the most straightforward GUI library.
- **Clean and Readable Code**
  Projects like a calculator need clear structure.
- **Quick Prototyping**
  For internship tasks, supervisors value *fast, functional* prototypes.
  Tkinter enables rapid development with minimal setup.


Scientific Calculator
0
π x! sin cos tan 1 2 3 +
e √x sin−1 cos-1 tan-1 4 5 6 -
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References:

- Simple GUI calculator using Tkinter-Python – GeeksforGeeks
- Top 5 Best Python GUI Libraries - AskPython

THANK YOU