

SEPTEMBER 2023
Django framework

01/07/20

DAY 16

Day - 89

GUI - Tkinter :

GUI - Graphical User Interface

std python interface to the
TK GUI toolkit.

- used to create GUI's for
python applications.

DAY 17

Built-in modules in
python ..

→ simple, easy to use
and cross-platform.

Work on Windows, Macos, Linu



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tkinter Library :

→ Create window based applications.

→ It provides a set of tools to build interfaces

such as buttons,
Labels, text boxes,
checkboxes,

→ is built on top of Tk, a GUI toolkit.

19 FRIDAY

Why use:

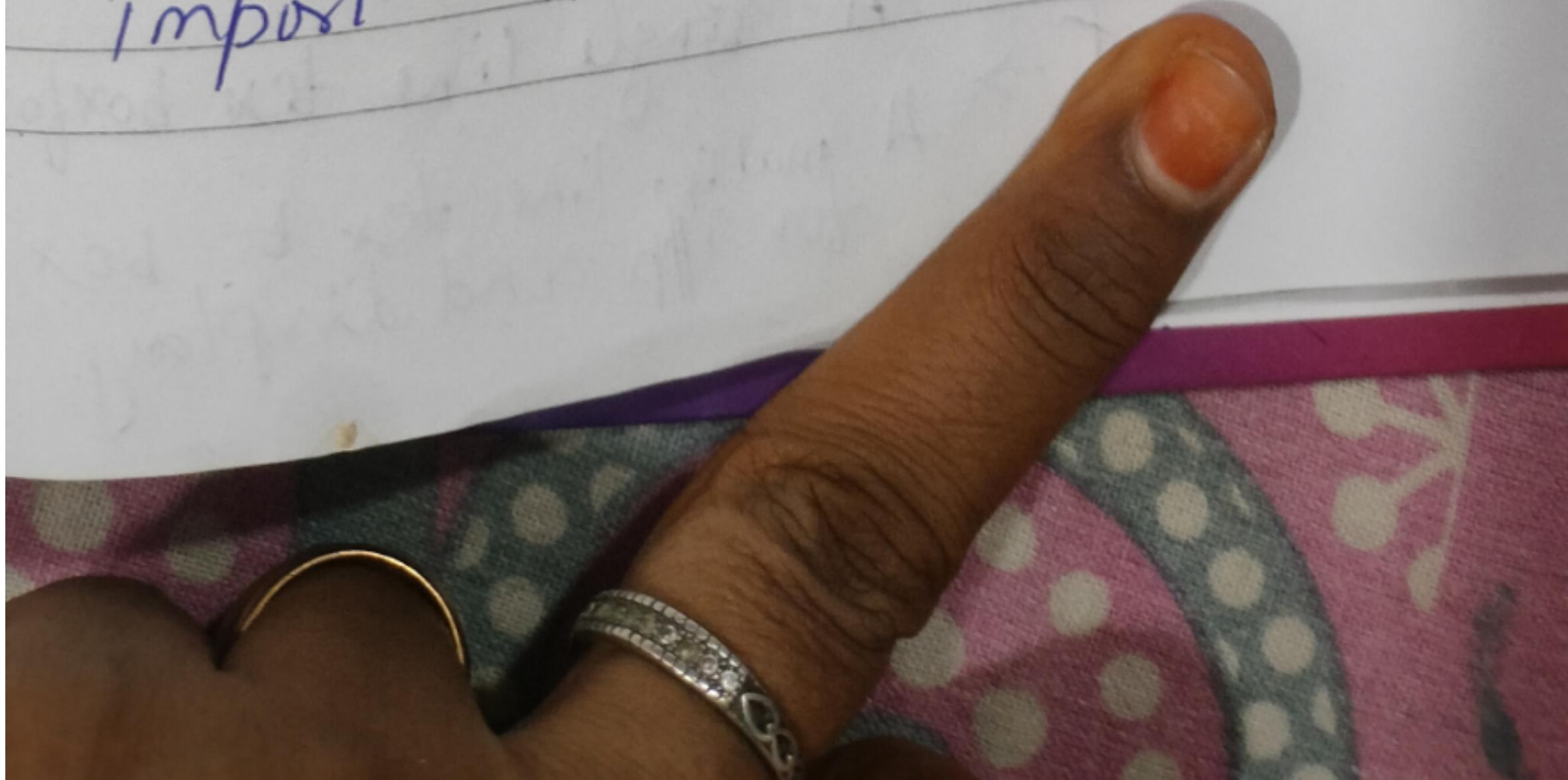
Simple to use

Cross platform

Light weight

Std library

↓
import tkinter.



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SATURDAY 20

```
import tkinter as tk  
# Create main window
```

```
root = tk.TK()  
↳(any name)
```

Set the title of the window

```
root.title ("Simple GUI")
```

Set the window size

```
root.geometry ("300x200")
```

SUNDAY 21

↓ ↓
width height
Pixel

~~ens window~~ → root.mainloop() → used for
looping waits until user close application

Widgets → Building blocks of a Tkinter application

Label → Display text or images

Button → A clickable button that can trigger actions

Entry → A single line text box for input

Text → A multi-line text box for input and display.

M < > ? shift pg dn

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Create a label widget

label = tk.Label(root, text="Hello, Tkinter!",
22 MONDAY
font="Ari

label.pack()

→ Add label to the
window.

Create an Entry Widget

entry = tk.Entry(root)

entry.pack()

Buttons Create

23 TUESDAY

button = tk.Button(root, text="click",
command=welcome)

button.pack()

def welcome():

print("Welcome")

define f^n
before

↓
of in terminal

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WEDNESDAY 24

```
def welcome():
    label.config(text=f"Welcome")
```

gives o/p in window

```
def welcome():
    user_input = entry.get()
    label.config(text=f"Welcome {user_input}")
```

THURSDAY 25

Prints user input

Pack():

→ Arranges widgets in blocks
and places.

→ Widgets are packed in the
order (top, center)

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grid():

→ Places widgets in a grid ^{26 FRIDAY} similar to a table.

→ Row, column

→ entry, label

place():

→ uses x-axis and y-axis

→ For graphs

27 SATURDAY

Working with frames:

→ Organising and grouping widgets in window

→ A container for widgets

→ Layout control.

frame = tk.Frame(root)

frame.pack()