## Trinted - Gol (Day 39) 01/07/2025

The Annual Control

91. 19 V V V V V V

Tkinter is a Standard Python interface to the TX CQUI toolkit.

Treate window-based applications.

It provides a set of 10018 to build interface such as buttons, lables, text

ung use

rease of use

Cross - Platform

lightweight

standard Libriary

New folder > Trinter > Hie name > 3/ay 29. Py import + Hinter run in terminal,

creating a basic Trentes window.

import tikinter as TK

root = tk. TK()

· root mainloope)

root title ("simple Glu!")

root. geometry ("300x200")

```
ipagets!
   widges are the building blocks of a Trinson
application.
  gome common widgets are:
 label: Displays text or images
 Button up clickble button that can trigger actions
 Entry 12 A Single - line text box for user input
 point : A multi-line tout box for input
       and display.
pulletx. label (root) text= "Hello Tkinter", ford=("Amal) ?")
label: pack ()
                 People Tom. sai 1914, 1916.
root main 100 PC
     -yk. labl sidi o de policie accesso
entry = tx. Entry (root)
  entry . pack ()
 Button = 1K. Button ( root ) test = "cliacine")
  entry. pack ()
     print ("welcome to Tkinnel Gul) (Jermine) owar
 des welcomes):
    label. congig (toxt="welcome to CIVI") window output)
   uso1;-input = enry: get-12:0019
   label config Et on = f" welcom to Suser-input3")
            ( a= H, 10 = 10) 8 10001
```

Boisic layout in Tkinter

V pack ()

V grid ()

V place ()

Deck!

The pack method authorized wildgets in block & and places them in the available of widgets ever packed in the order they are widgets ever packed in the order they are widgets are packed in the order they are widgets are packed in the order.

g) grid()

The grid() method places widgets in a gric

System, Similar to a table.

You can specify the row and column for

each widgets.

[able] =+ Kn Label (root), toit = "Name:")

lable 1 = + k. Label (root, toxt = Name: 1)

(able 1. grid (row = 0, colormn = 0)

entry = +k. Entry (root)

entry · grid (row = 0, column = 1)

3) Place () "the months of to some light) light). Ident

The place comments of allows for more precise common over the placement of widgers by spacifying coordinates widgers by spacifying coordinates (asle Place (\$250, 4250)

working with frames. frames are useful for organizing and grouping widgets In a window. JA trame is ossencially a container der widgers, allowing for better longarization and Lagout Control root = +K.TK() frome = +x. Frame (root) frame. Pack () Add widgers inside the frame. land = tk. Label (frame, texe = "This is inside/umo") lable 1. Pack. root mainloopes