Python GUI Basic (Desktop App)

Session 1:

-Introduction to GUI.

-What are Tcl, Tk, and Tkinter?

-What is Tkinter, and what are the steps involved in creating the Tkinter app?

-You will also learn about the Tkinter Widgets, Python-Tkinter Button, Python-Tkinter Canvas.

-Create the first project login form with two label entries and a button.

Session 2:

-The entry widget and parameter of entry.

-The label widget and parameter.

-The frame widget and its importance in python tkinter.

-Buttons and parameters.

-Project: a login form with a function for validation(user name and password).

Session 3:

-Message widget : is a graphical user interface (GUI) element used in software development to display textual information or messages to users. It is used a radio button which allows users to select one option from a list of predefined choices.

-Radio button : is a GUI element that allows users to select one option from a list of predefined options. It typically appears as a small circle or square that can be toggled on or off. When one radio button is selected, any previously selected radio button in the same group is deselected automatically.

-Check button widget : is a standard Tkinter widget that is used to implement on/off selections. Check buttons can contain text or images. When the button is pressed, Tkinter calls that function or method.

-Project: add a radio button to the login form for checking admins or guests.

Session 4:

-List box widget.

- Menu widget, along with the options available for the menu widget.

-Project : After logging in, build a new form with the file menu bar and a submenu to add another form. (to add study management "next session").

Session 5:

-Scroll bar widget and the complete overview of the text widget.

Session 6:

-Complete the project desktop app to manage time for study.