Task 11: Use Tkinter module for UI design

Aim:

To use Tkinter module for UI design.

11.1: Write a Python GUI Program to create a label and change the label font style (font name, bold, size) using thinter module.

Algorithm:

1. Import tkinter module. Create a main window & create a label with desired text and add the label to the main window using pack().
2. Define a function to change font style
3. Create a button to call the function & add button to main window using pack() method. Start the main loop.

Program:

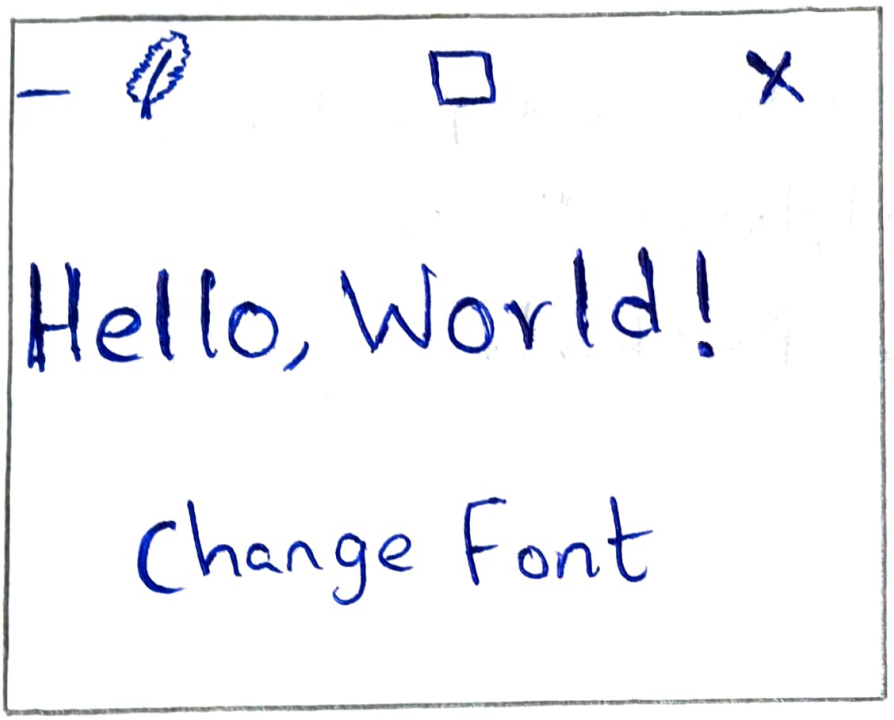
```
import tkinter as tk
def change_font():
    label.config(font=("Arial", 18, "bold"))
root = tk.Tk()
label = tk.Label(root, text="Hello, world!", font=("Helvetica", 14))
label.pack()
button = tk.Button(root, text="Change Font", command=change_font)
button.pack()
root.mainloop()
```

11.2: Write a Python GUI Program to create three single line text-box to accept a value from the user using thinker

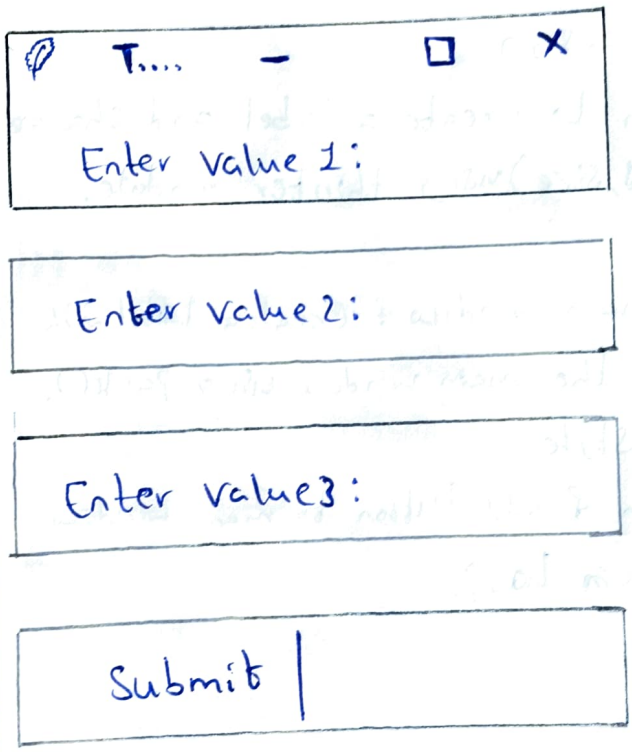
Algorithm:

1. Import the tkinter module.
2. Create the main window.
3. Add labels and text-boxes to main window
4. Set the size of the text-boxes.
5. Create a button to submit the values entered in the text-boxes.

Output:



Output



6. Get the values entered in the text-boxes when the button clicked.
7. Close the main window when the button is clicked.

Program:

```
import tkinter as tk
root=tk.Tk()
root.title("Text-Box Input")
label1 = tk.Label(root, text="Enter value1:")
entry1 = tk.Entry(root)
label2 = tk.Label(root, text="Enter value2:")
entry2 = tk.Entry(root)
label3 = tk.Label(root, text="Enter value3:")
entry3 = tk.Entry(root)
entry1.config(width=30)
entry2.config(width=30)
entry3.config(width=30)
def get_values():
    val1=entry1.get()
    val2 = entry2.get()
    val3 = entry3.get()
    Print("value1:", val1)
    Print("value2:", val2)
    Print("value3:", val3)
Submit_button=tk.Button(root, text="Submit", command=get_values)
label1.pack()
entry1.pack()
label2.pack()
entry2.pack()
label3.pack()
entry3.pack()
Submit_button.pack()
root.mainloop()
```

VELTECH	
EX NO.	11
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	20
SIGNATURE WITH DATE	15/10

Result: Thus, the program using thinker module for UI design was executed and verified successfully.