Task 11   Use Tkinter module for UI design

Aim : To we Tkinter module for UI design

Algorithm
1) Import tkinter module
2) create a main window
3) create a label with desired text
4) Add the label to the main window using pack() method
5) Define a function to change front style
6) Create button to call the function when clicked

Program:

import tkinter as tk

    # function to change font style
    def change_font():
        label.config(font=("Arial", 18, "bold"))

    # create main window
        root = tk.Tk()

    # create label with desired text
        Label = tk.Label (root, text = "Hello world". font = ('Helvetica', 14

    # Add label to main window
        Label.pack()

    # create button to change front style
    button = tk.Button (root, text = "changeFont", command =
                            change_font)

    # Add button to main window
        button.pack()

    # Start the main loop
        root.mainloop()

Output

Hello, world

Task 11.2: Write a Python GUI program to create three single line text-box to accept a value from the user. tkinter module

Aim: Write a python GUI program to create three single line text-box to accept a value from the user tkinter module

Algorithm: 1) Import the tkinter module
2) Create the main window
3) Add labels and text-boxes to the main window
4) Set the size of the text-boxes
5) Create a button to submit the value entered in the text box
6) Get the values entered in the text boxes when the button is clicked

Program

```python
import tkinter as tk
# create the main window
    root = tk.Tk()
    root.title("Text Box Input")
# create labels and text boxes
    label1 = tk.Label(root, text="Enter Value 1:")
    entry1 = tk.Entry(root)
    label2 = tk.Label(root, text="Enter value 2:")
    entry2 = tk.Entry(root)
    label3 = tk.Label(root, text="Enter value 3:")
    entry3 = tk.Entry(root)
# set the size of the text boxes
    entry1.config(width=30)
    entry2.config(width=30)
    entry3.config(width=30)
# create a function to get the values entered in the
    text-boxes
    def get_values():
        val1 = entry1.get()
        val2 = entry2.get()
```

Output:

Enter Value 1:

Enter Value 2:

Enter Value 3:

Submit

```
value 3 = entry 3 get()
print ("Value 1", val 1)
print ("value 2", val 2)
print (" Value 3", val 3)
# create
# Add the labels, text-boxes and button to the main window
    label 1. pack()
    entry 1. pack()
    label 2. pack()
    entry 2. pack()
    label 3. pack()
    entry 3. pack()
    Submit - button. pack()
# Run the main event loop
    root. main loop()
```

Result : Thus the program using Tkinter module for UI design was created and verified successfully.