

Task 11. Use Tkinter module for UI design

Aim: To use Tkinter module for UI design
problem 11.1 Write a python GUI program to create a label and change the label font style using tkinter module

Algorithm:-

1. Import tkinter module
2. Create a main window
3. Create a label with desired text
4. Define a function to change font style
5. Create a button to call the function when clicked
6. Start the main loop.

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

# Add label to main window
label.pack()

# Create button to change font style
button = tk.Button(text="change font", command=change_font)

# Add button to main window
button.pack()

# Start the main loop
root.mainloop()
```

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

Program:-

```
import tkinter as tk

# Create the main window
root = tk.TK()
root.title ("Text - Box Input")

# Create labels and text-boxes
label 1 = tk.Label (root , text = "Enter value 1:")
entry1 = tk.Entry (root)

label 2 = tk.Label (root , text = "Enter value 2:")
entry2 = tk.Entry (root)

label 3 = 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 button to submit the values entered in the text boxes
submit-button = tk.Button (root , text = "Submit" , command = get-values)
```

Output:

11.1

A hand-drawn rectangular box representing a calculator interface. At the top left is a small circle with a dot inside. To its right is a square button with a circle inside, and further right is an 'X' button. Below these are two text input fields. The first field contains the text 'Hello, world'. The second field contains the text 'change font'.

11.2

Output:

A hand-drawn rectangular box representing a form interface. At the top left is a small circle with a dot inside. To its right is a square button with a circle inside, and further right is an 'X' button. Below these are three text input fields, each with a label above it: 'Enter value 1:', 'Enter value 2:', and 'Enter value 3:'. At the bottom right is a button labeled 'submit'.

Add the labels, text boxes, and buttons to the main window

entry1 = pack()

entry2 = pack()

label3 = pack()

entry3 = pack()

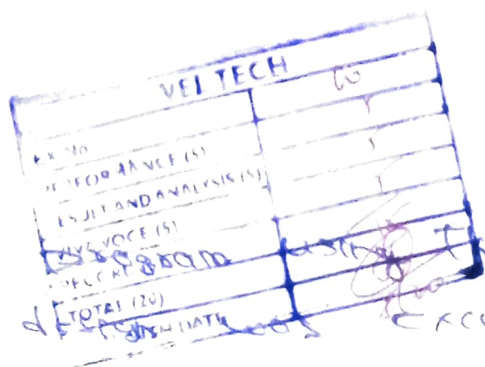
label4 = pack()

entry4 = pack()

Submit = button.pack()

Run the main event loop

root.mainloop()



VEL TECH	
NAME	GO
PERFORMANCE (%)	1
RESULT AND ANALYSIS (%)	1
MARKS SCORE (%)	1
PERCENTAGE	88.88
TOTAL (10)	10
PERCENTAGE	88.88

Result: Thus the module for GUI development is executed and we are free successfully