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", 12, "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(root, text="change font", command
                   = change_font)
# Add button to main window
button.pack()
# Start the main loop
root.mainloop()
```

Algorithm

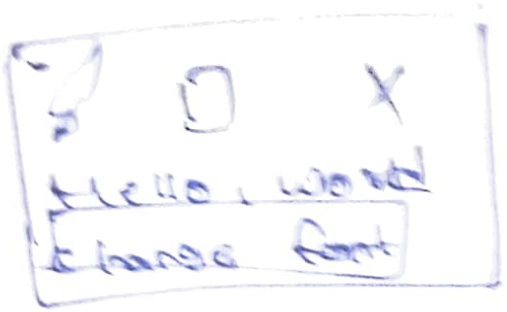
1. Import the tkinter module
2. Create the main window
3. Add labels and text-boxes to the main window
4. Set the size of the text-boxes
5. Create a button to submit the values entered in the text-boxes
6. Close the main window when the button is clicked

Program:-

```
Import tkinter as tk

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

# Create labels and text-boxes
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 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)
```

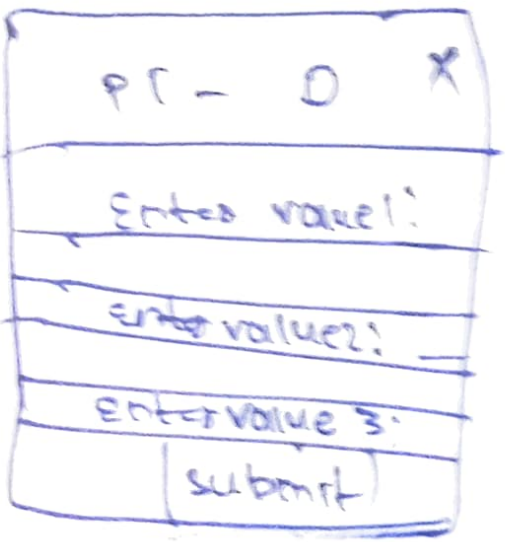
output :-

11.1

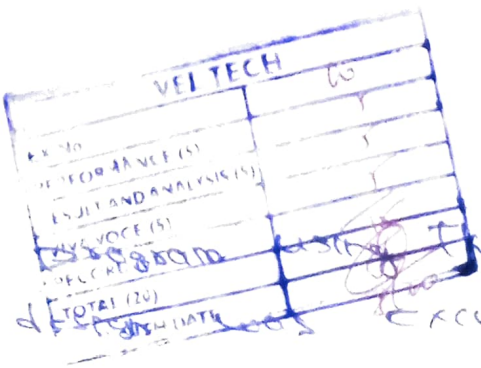


11.2

Output :



```
# Add the labels, text boxes, and buttons
  to the main window
entry1.pack()
entry1.pack()
label2.pack()
entry2.pack()
label3.pack()
entry3.pack()
Submit = button.pack()

# Run the main event loop
root.mainloop()
```



Result: Thus the tkinter module for GUI application executed and verified successfully