# Task II   Use Tkinter module for UI design

**Aim :-** To use Tkinter module for UI design

**Problem II.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. Add the label to the main window using pack() method.
5. Define a function to change font style.
6. Create a button to call the function when clicked.
7. Start the main loop.

## Program :-

```python
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 font style.
button=tk.Button(root, text="Change Font", command=change_font)
```

Output:

Hello, World !

change Font

```python
# Add button to main window
button.pack()
# Start the main loop
root.mainloop()
```

Problem 11.2 :- write a python GUI program to create three single line text-book to accept a value from the user using tkinter module.

## Algorithm :-

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

Output :-

| 🖉 T... | — | □ | X |
|---|---|---|---|
| Enter value 1 : | | | |
| Enter value 2 : | | | |
| Enter value 3 : | | | |
| Submit | | | |

```python
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()
    val3 = entry3.get()
    print("value 1:", val1)
    print("value 2:", val2)
    print("value 3:", val3)

# create a button to submit the values entered in
# the text-boxes
submit_button = tk.Button(root, text="submit", command=get_values)

# Add the labels, text-boxes, and button to the
# main window
label1.pack()
entry1.pack()
label2.pack()
entry2.pack()
label3.pack()
entry3.pack()
submit_button.pack()
# Run the main event loop
root.mainloop()
```

Result = Thus, the program using tkinter module for UI design was verified successfully.

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| LA No. | 5 |
| PERFORMANCE (5) | 5 |
| RESULT AND ANALYSIS (5) | 5 |
| VIVA VOCE (5) | 20 |
| RECORD (5) | |
| TOTAL (20) | 8/10 |
| SIGN WITH DATE | |