

Task 1:- use Tkinter module for OS design.

Aim:- To use Tkinter module for OS design

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. Add the label to the main window using pack()
5. Define a function to change font style.
6. Create a button to call the function when clicked.
7. 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, word!", 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 tkinter module.

Algorithm:-

1. Import the tkinter module.

— 0 — x

hello, world!

change font

2

Output

□ T... — □ X

Enter value 1 :

Enter value 2 :

Enter value 3 :

Submit

✓

```
import tkinter as tk
from tkinter import Label, Entry, Button, Text
root = tk.Tk()
root.title("Calculator")
root.geometry("300x300")
root.configure(bg="white")
label = Label(root, text="Enter value 1:", font=("arial", 12))
label.grid(row=0, column=0)
entry1 = Entry(root)
entry1.grid(row=0, column=1)
label = Label(root, text="Enter value 2:", font=("arial", 12))
label.grid(row=1, column=0)
entry2 = Entry(root)
entry2.grid(row=1, column=1)
label = Label(root, text="Enter value 3:", font=("arial", 12))
label.grid(row=2, column=0)
entry3 = Entry(root)
entry3.grid(row=2, column=1)
button = Button(root, text="Submit", font=("arial", 12))
button.grid(row=3, column=0)
root.mainloop()
```


2. Create the main window.
3. Add labels and textboxes 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. Get the values entered in the text-boxes when the button is 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 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)
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("value 1:", val1)
    print("value 2:", val2)
    print("value 3:", val3)
```

```
submit_button = tk.Button
```

```
label1.pack()
entry1.pack()
label2.pack()
entry2.pack()
label3.pack()
entry3.pack()
```

```
submit_button.pack()
root.mainloop()
```

VELTECH	
EXPERIMENT	11
PERFORMANCE (%)	5
RESULT AND ANALYSIS (%)	5
VIVA VOCE (%)	5
RECORD (%)	5
TOTAL (20)	20
SIGN WITH DATE	15/10