

TASK - 1.1 USE TKINTER MODULE FOR UI DESIGN

Aim :- To use Tkinter module for UI design.

Problem :- 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. Add the button to the main window using pack() method
8. 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(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)
```

```
# Add button to main window
```

```
button.pack()
```

```
# Start the main loop
```

```
root.mainloop()
```

Task-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
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. 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  
# Create the main window  
root = tk.Tk()  
root.title ("Text-Box Input")  
# Create labels & text boxes  
label1 = tk.Label (root, text = "Enter value 1:")  
  
entry1 = tk.Entry (root)
```

print("Hello World")
for i in range(10, 1000, 10):
 print(str(i) * 100, end = "\n")

Output :
Hello, World!
111111111
222222222
333333333
444444444
555555555
666666666
777777777
888888888
999999999

def fib(n):
 if n <= 1:
 return n
 else:
 return fib(n - 1) + fib(n - 2)

for i in range(10, 1000, 10):
 print(fib(i))


```

# Set the size of text boxes
entry1.config(width = 30)
entry2.config(width = 30)
entry3.config(width = 30)

# Create a function to submit the values entered
# in the text boxes. Submit_button = tk.Button
# root, text = "submit", command = get_values()
# Add the labels, text boxes, & button to the
# main window
label1.pack()
entry3.pack()
label2.pack()
entry2.pack()
label3.pack()
entry3.pack()

submit_button.pack()

# Run the main event loop
root.mainloop()

```

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RESULT: Thus the program using tkinter module for ui design was executed & verified successfully.