15/10/25

Task 11 Use Tkinter module for UI design

AIM :- To use Tkinter module for UI design

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 :-

```
import matplotlib.pyplot as plt
languages = ['Java', 'Python', 'PHP', 'Java Script',
             'C#', 'C++']
Popularity = [22.2, 17.6, 8.8, 7.7, 6.7]
Plt.pie( popularity, labels = languages, autopct = '%1.1f
         %%')
root = tk.Tk()
label = tk.label (root, text = "Hello world")
label.pack()
```

Output :-

Hello World !

```
button.pack()
root.mainloop()
```

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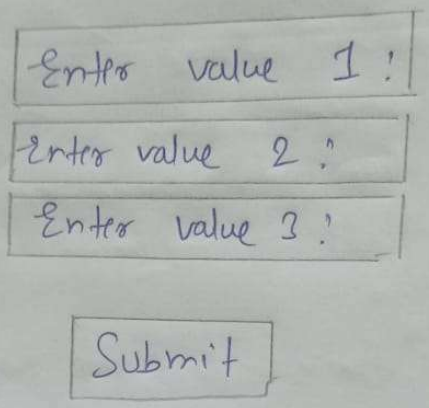
ALGORITHM :-

1. Import the tkinter module
2. Create the main window
3. Add labels and text-boxes to main window.
4. Set the size of 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 tkintor as tk
root = tk.Tk()
root.title("Text-Box Input")
label1 = tk.Label(root, text="Enter"); }
entry1 = tk.Entry(root)
entry2 = tk.Entry(root)
label3 = tk.Label(root="Enter")
entry3 = tk.Entry(root)
entry1.Config(width=30)
entry2.Config(width=30)
val1 = entry1.get()
val2 = entry2.get()
val3 = entry3.get()
# Add labels, text-boxes and button to the main window
```

Output :



```
label1 . pack ( )
entry 1 . pack ( )
label2 . pack ( )
entry 2 . pack ( )
  label 3 . pack ( )
  entry 3 . pack ( )
# Run the main event loop
  root . mainloop ( )
```

PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVA VOCE (3)	3
RECORD (4)	4
TOTAL (15)	
SIGN WITH DATE	15

RESULT

Thus, the program using Tkinter module UI design was executed and verified successfully.