

Bonillo, Loren

C204

Final Act Report Paired



Marsha Superio
Nov 15 (Edited Nov 22)

FINALS PAIRED Task 1: DEMO Tkinter on Nov 22

Instructions:

1. Make sure you have a partner to work with (See randomly generated pairs below)
2. You will be assigned a certain Tkinter Elements/Controls and present the ff:

Discuss/Present the ff:

1. What is the used or purpose of the widget or layout manager or container
2. What are the methods that you can use to change the look and settings of the widget or control and present the syntax
*Explore more, do not just settle on the simple examples in the lecture i gave you
3. DEMO the code and mapped the output to the code that you did.
4. There will be a short QUIZ after all the reports

SUBMIT YOUR DEMO CODES here:

<https://drive.google.com/drive/folders/1mP3KkSqiO7sCucTEVB-QPVwyZWcJROe4?usp=sharing>

Here are the topics and assignments (following the topic number) i.e Group 1 will report Topic 1.

SEE YOU all next Saturday... :-)

Source Code:

```
1 > import ...
3
4 root = tk.Tk()
5 root.title("Tkinter TEXT Widget Demo")
6 root.geometry("700x500")
7
8 # -----
9 # TEXT WIDGET + SCROLLBAR
10 # -----
11 frame = tk.Frame(root)
12 frame.pack(pady=20)
13
14 text = tk.Text(frame, width=60, height=15, font=("Arial", 12), bg="#ffff9c4")
15 text.pack(side=tk.LEFT)
16
17 scroll = tk.Scrollbar(frame, command=text.yview)
18 scroll.pack(side=tk.RIGHT, fill=tk.Y)
19
20 text.config(yscrollcommand=scroll.set)
21
22 # Insert sample text
23 text.insert(index: "1.0", chars: "Welcome to the Tkinter Text Widget Demo!\n")
24 text.insert(index: "end", chars: "This widget allows MULTI-LINE text editing.\n")
25 text.insert(index: "end", chars: "Below are some features demonstrated:\n\n")
26 text.insert(index: "end", chars: "- Inserting text\n")
27 text.insert(index: "end", chars: "- Deleting text\n")
28 text.insert(index: "end", chars: "- Getting text\n")
29 text.insert(index: "end", chars: "- Tag-based formatting\n")
30 text.insert(index: "end", chars: "- Scrollbars\n")
31
32 # -----
33 # TAG CONFIGURATION (Highlighting)
34 # -----
35 text.tag_config("highlight", foreground="red", font=("Arial", 12, "bold"))
36 text.tag_add(tagName: "highlight", index1: "6.0", index2: "6.20") # highlight "- Tag-based formatting"
37
38 # -----
39 # FUNCTIONS FOR BUTTONS
40 # -----
```

```
42     def insert_text(): 1 usage
43         text.insert( index="end",  chars="\n[NEW TEXT ADDED]")
44
45
46     def clear_text(): 1 usage
47         text.delete( index1="1.0",  index2="end")
48
49
50     def get_text(): 1 usage
51         value = text.get( index1="1.0",  index2="end")
52         print("TEXT CONTENT:")
53         print(value)
54
55
56     def disable_edit(): 1 usage
57         text.config(state="disabled")
58
59
60     def enable_edit(): 1 usage
61         text.config(state="normal")
62
63
64     # -----
65     # BUTTONS
66     # -----
67     btn_frame = tk.Frame(root)
68     btn_frame.pack(pady=10)
69
70     buttons = [
71         ("Insert Text", insert_text),
72         ("Clear Text", clear_text),
73         ("Print Text in Console", get_text),
74         ("Disable Editing", disable_edit),
75         ("Enable Editing", enable_edit),
76     ]
77
78     for (label, command) in buttons:
79         tk.Button(btn_frame, text=label, command=command,
80                   width=20, bg="#bbdefb").pack(pady=3)
81
82     root.mainloop()
```

Sample Output:

