

Bonillo, Loren

C204

Final Act Report Paired



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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/1mP3KkSqi07sCucTEVB-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="#fff9c4")
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", index="6.0", *args="6.20") # highlight "- Tag-based formatting"
37
38
39 # -----
40 # FUNCTIONS FOR BUTTONS
41 # -----
```

```

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)

```

```

80      width=20, bg="#bbdefb").pack(pady=3)
81
82  root.mainloop()

```

Sample Output:

