

ACTIVITY NO. 8

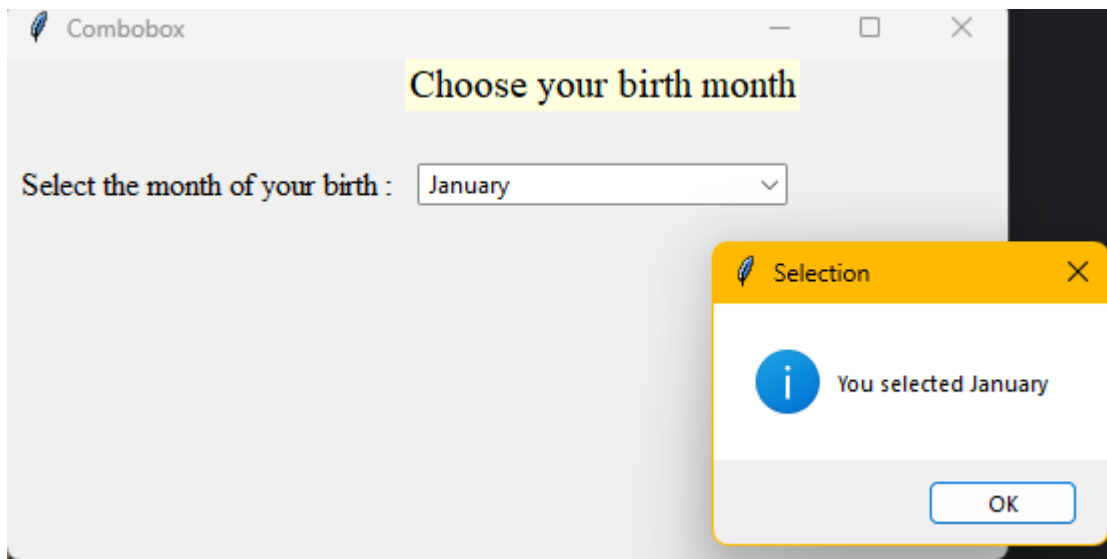
The Selection Widget

Course Code: CPE009B	Program: Computer Engineering
Course Title: Object Oriented Programming	Date Performed: 25/11/24
Section: CPE21S4	Date Submitted: 25/11/24
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1. Objective(s)	
In this section, the goals in this laboratory are: <ul style="list-style-type: none">• To create a Python program that use selection widget like Combobox• To use ttk function as part of Tk () in the Tkinter module	
2. Intended Learning Outcomes (ILOs)	
After this activity, the student should be able to: <ul style="list-style-type: none">• Understand the use of ttk function• Recreate the selection widget like Combobox	
3. Discussion <p>A ComboBox is a mix of a Listbox and an entry field in Tkinter. It has a little arrow that you click to see a list of options. When you click the arrow, a list drops down where you can scroll and pick what you want. Once you choose something from the list, it shows up in the entry field at the top. It's super handy for picking from a set of choices.</p>	
4. Materials and Equipment	
<ul style="list-style-type: none">• Pycharm Community Edition	

5. Procedure

```
import tkinter as tk
from tkinter import ttk
from tkinter import messagebox
from tkinter.messagebox import showinfo
# Creating tkinter window and set dimensions
window = tk.Tk()
window.title('Combobox')
window.geometry('500x250')
def choice(event):
    month = event.widget.get()
    print("Your birth month", month)
# label text for title
ttk.Label(window, text="Choose your birth month",
          background='light yellow', foreground="black",
          font=("Times New Roman", 15)).grid(row=0, column=1)
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# Set label
ttk.Label(window, text="Select the month of your birth :",
          font=("Times New Roman", 12)).grid(column=0, row=5, padx=5, pady=25)
# Create Combobox
n = tk.StringVar()
month = ttk.Combobox(window, width=27, textvariable=n)
# Adding combobox drop down list
month['values'] = (' January',
                  ' February',
                  ' March',
                  ' April',
                  ' May',
                  ' June',
                  ' July',
                  ' August',
                  'September',
                  'October',
                  'November',
                  'December')
month.grid(column=1, row=5)
month.current()
def choice(event):
    showinfo(
        title = "Selection",
        message = f'You selected{n.get()}'
    )
month.bind("<<ComboboxSelected>>", choice)
window.mainloop()
```


6. Output



7. Conclusion

In conclusion, this lab activity helped us create a Python program using Tkinter on the topic of the Combobox widget. We learned how to use tk functions to enhance the program's functionality, making it more interactive. This experience improved my understanding of building user-friendly GUI applications in Python and equipped us with skills that are essential for future projects in Object-Oriented Programming.

8. References

GeeksforGeeks. "ComboBox widget in Tkinter - Python." Accessed November 25, 2024.
<https://www.geeksforgeeks.org/combobox-widget-in-tkinter-python/>