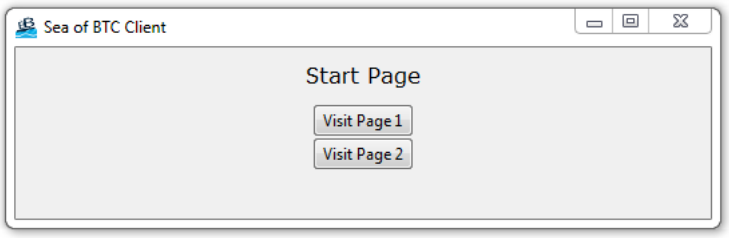
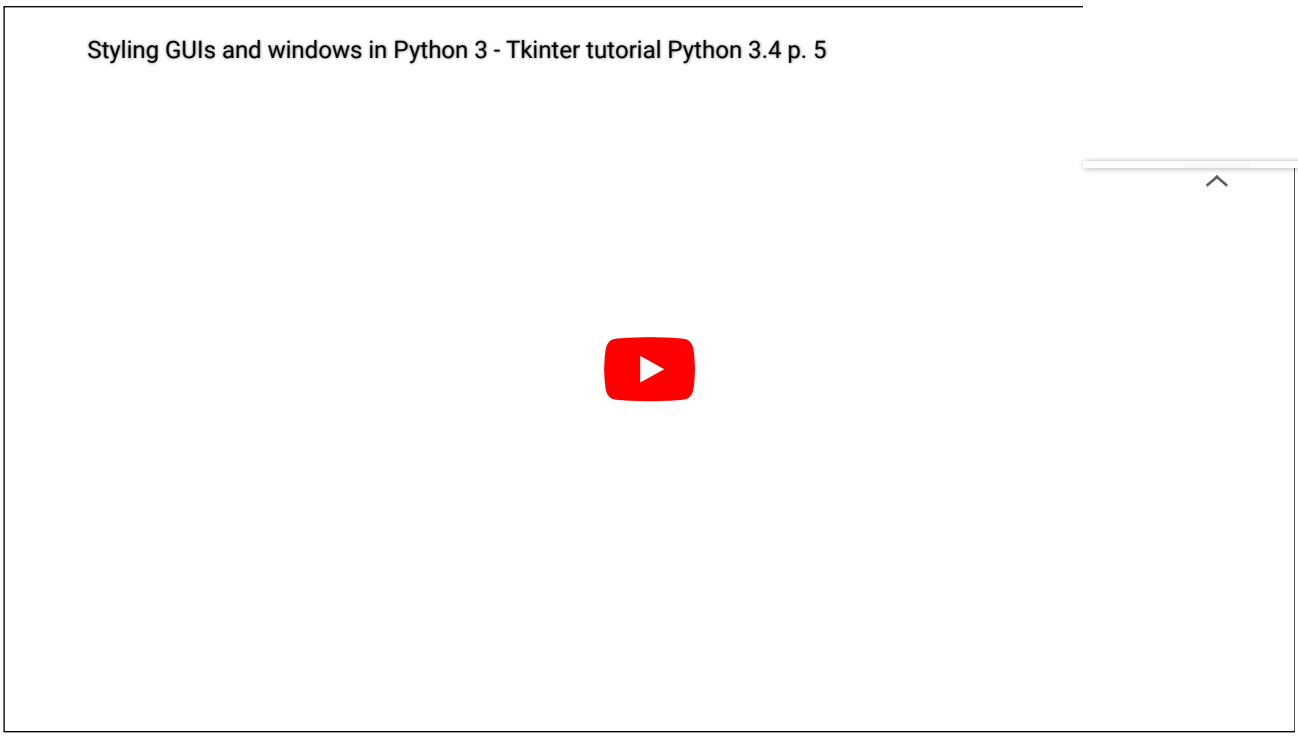


Styling your GUI a bit using TTK



Now that we have a basic window set, we might have the urge to make it look a little better. Right now, our buttons especially are quite ugly. To do some minor updates to the graphics quite easily, we can make use of ttk.

To start, we need to import it:

```
from tkinter import ttk
```

Next, within our SeaofBTCapp:

```
class SeaofBTCapp(tk.Tk):

    def __init__(self, *args, **kwargs):

        tk.Tk.__init__(self, *args, **kwargs)

        tk.Tk.iconbitmap(self,default='clienticon.ico')
        tk.Tk.wm_title(self, "Sea of BTC Client")
```

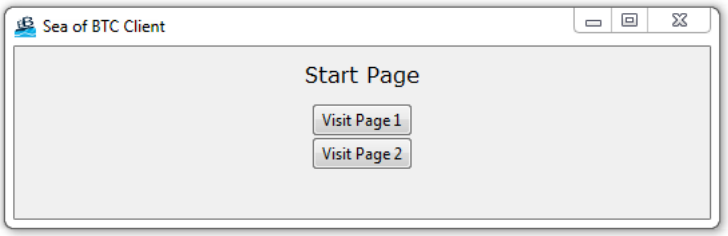
While the above isn't about ttk, we're doing this to change the window icon, as well as the window's title.

Next, within our StartPage:

```
class StartPage(tk.Frame):

    def __init__(self, parent, controller):
```

```
        label = ttk.Label(self, text="Start Page", font=LARGE_FONT)
        label.pack(pady=10,padx=10)

        # change the tk to ttk

        button = ttk.Button(self, text="Visit Page 1",
                            command=lambda: controller.show_frame(PageOne))
        button.pack()

        # change the tk to ttk

        button2 = ttk.Button(self, text="Visit Page 2",
                            command=lambda: controller.show_frame(PageTwo))
        button2.pack()
```

Here, we are mainly just changin tk.Button to ttk.Button. That's just one example, but you should change all of your buttons from tk to ttk.

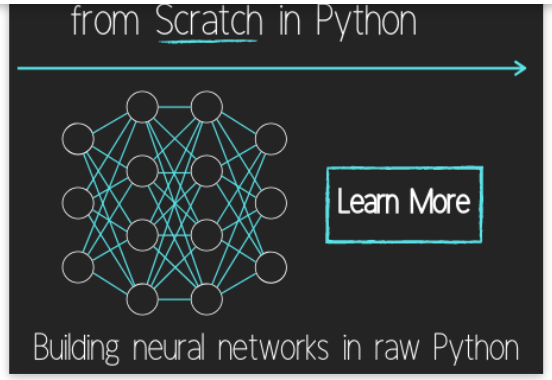


Here's the full script:

```
# The code for changing pages was derived from: http://stackoverflow.com/questions/7546050/switch-between-two-
# License: http://creativecommons.org/licenses/by-sa/3.0/

import tkinter as tk
from tkinter import ttk


LARGE_FONT= ("Verdana", 12)


class SeaofBTCapp(tk.Tk):

    def __init__(self, *args, **kwargs):

        tk.Tk.__init__(self, *args, **kwargs)

        tk.Tk.iconbitmap(self,default='clienticon.ico')
        tk.Tk.wm_title(self, "Sea of BTC Client")

        container = tk.Frame(self)
        container.pack(side="top", fill="both", expand = True)
        container.grid_rowconfigure(0, weight=1)
        container.grid_columnconfigure(0, weight=1)

        self.frames = {}

        for F in (StartPage, PageOne, PageTwo):

            frame = F(container, self)
            self.frames[F] = frame
            frame.grid(row=0, column=0, sticky="nsew")

        self.show_frame(StartPage)

    def show_frame(self, cont):
```


```
        frame.tkraise()


class StartPage(tk.Frame):

    def __init__(self, parent, controller):
        tk.Frame.__init__(self,parent)

        label = ttk.Label(self, text="Start Page", font=LARGE_FONT)
        label.pack(pady=10,padx=10)

        button = ttk.Button(self, text="Visit Page 1",
                            command=lambda: controller.show_frame(PageOne))
        button.pack()

        button2 = ttk.Button(self, text="Visit Page 2",
                            command=lambda: controller.show_frame(PageTwo))
        button2.pack()


class PageOne(tk.Frame):

    def __init__(self, parent, controller):
        tk.Frame.__init__(self, parent)
        label = ttk.Label(self, text="Page One!!!", font=LARGE_FONT)
        label.pack(pady=10,padx=10)

        button1 = ttk.Button(self, text="Back to Home",
                            command=lambda: controller.show_frame(StartPage))
        button1.pack()

        button2 = ttk.Button(self, text="Page Two",
                            command=lambda: controller.show_frame(PageTwo))
        button2.pack()


class PageTwo(tk.Frame):

    def __init__(self, parent, controller):
        tk.Frame.__init__(self, parent)
        label = ttk.Label(self, text="Page Two!!!", font=LARGE_FONT)
        label.pack(pady=10,padx=10)

        button1 = ttk.Button(self, text="Back to Home",
                            command=lambda: controller.show_frame(StartPage))
        button1.pack()

        button2 = ttk.Button(self, text="Page One",
                            command=lambda: controller.show_frame(PageOne))
        button2.pack()



app = SeaofBTCapp()
app.mainloop()
```

The next tutorial: How To Embed A Matplotlib Graph To Your Tkinter GUI



Acquiring MACD data from Sea of BTC API

Converting Tkinter application to .exe and installer with cx_Freeze

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