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Python Lab 10 Assignment

CODE

```
import tkinter as tk
import re
import random
from tkinter import Tk, Label, Entry, ttk, Button
, scrolledtext, Text

window = Tk()
window.geometry("850x450")
names = open("names.txt").read().splitlines()
startingwith = Label(window, text="Starting with"
)
startingwith.grid(row=0, column=0, padx=10, pady=
10)

n = tk.StringVar()
alpha = ttk.Combobox(window, width=20, textvariab
le=n)
alpha['values'] = (
'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J',
'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T'
, 'U', 'V', 'W', 'X',
'Y', 'Z')
alpha.grid(column=1, row=0, padx=20)
```

```

ans = Label(window, text="Name", font=('Times New
    Roman', 16))
ans.grid(row=1, column=2, sticky="w", padx=10)

def click1():
    fa = alpha.get()
    while True:
        rn = random.choice(names)
        if re.search(r'^{}'.format(fa), rn):
            print(rn)
            ans['text'] = rn
            break

startingwithans = Label(window, text="Suggested N
ame Starting with & letter : ")
startingwithans.grid(row=1, columnspan=2, padx=0,
    pady=10)

startingwithM = Text(window, width=30, height=20)
startingwithM.grid(row=2, columnspan=2, padx=20,
    pady=20)
startingwithM.insert(tk.END, "          Starting wit
h M          \n\n")

startingwithP = Text(window, width=30, height=20)
startingwithP.grid(row=2, column=2, padx=20, pady
    =20)

```

```
startingwithP.insert(tk.END, "      Starting wit  
h P      \n\n")
```

```
startingwithN = Text(window, width=30, height=20)  
startingwithN.grid(row=2, column=10, padx=20, pad  
y=20)
```

```
startingwithN.insert(tk.END, "      Starting wit  
h N      \n\n")
```

```
load_list()  
window.mainloop()
```