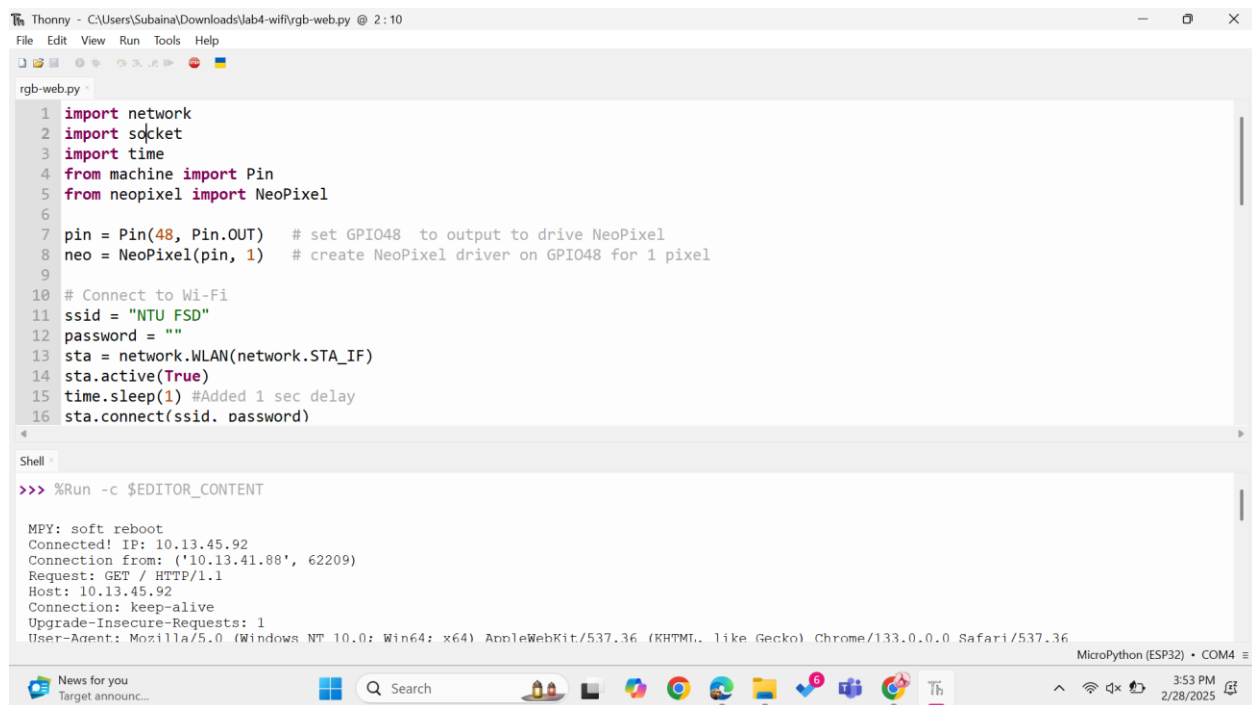


Working of RGB web code:

Running code on thonny:



```
Thonny - C:\Users\Subaina\Downloads\lab4-wifi\rgb-web.py @ 2:10
File Edit View Run Tools Help

rgb-web.py
1 import network
2 import socket
3 import time
4 from machine import Pin
5 from neopixel import NeoPixel
6
7 pin = Pin(48, Pin.OUT) # set GPIO48 to output to drive NeoPixel
8 neo = NeoPixel(pin, 1) # create NeoPixel driver on GPIO48 for 1 pixel
9
10 # Connect to Wi-Fi
11 ssid = "NTU_FSD"
12 password = ""
13 sta = network.WLAN(network.STA_IF)
14 sta.active(True)
15 time.sleep(1) #Added 1 sec delay
16 sta.connect(ssid, password)

Shell
>>> %Run -c $EDITOR_CONTENT

MPY: soft reboot
Connected! IP: 10.13.45.92
Connection from: ('10.13.41.88', 62209)
Request: GET / HTTP/1.1
Host: 10.13.45.92
Connection: keep-alive
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/133.0.0.0 Safari/537.36

MicroPython (ESP32) • COM4
```

Web look:

ESP32 RGB led Control

Turn RGB RED

Turn RGB GREEN

Turn RGB BLUE

Color change by Web:

