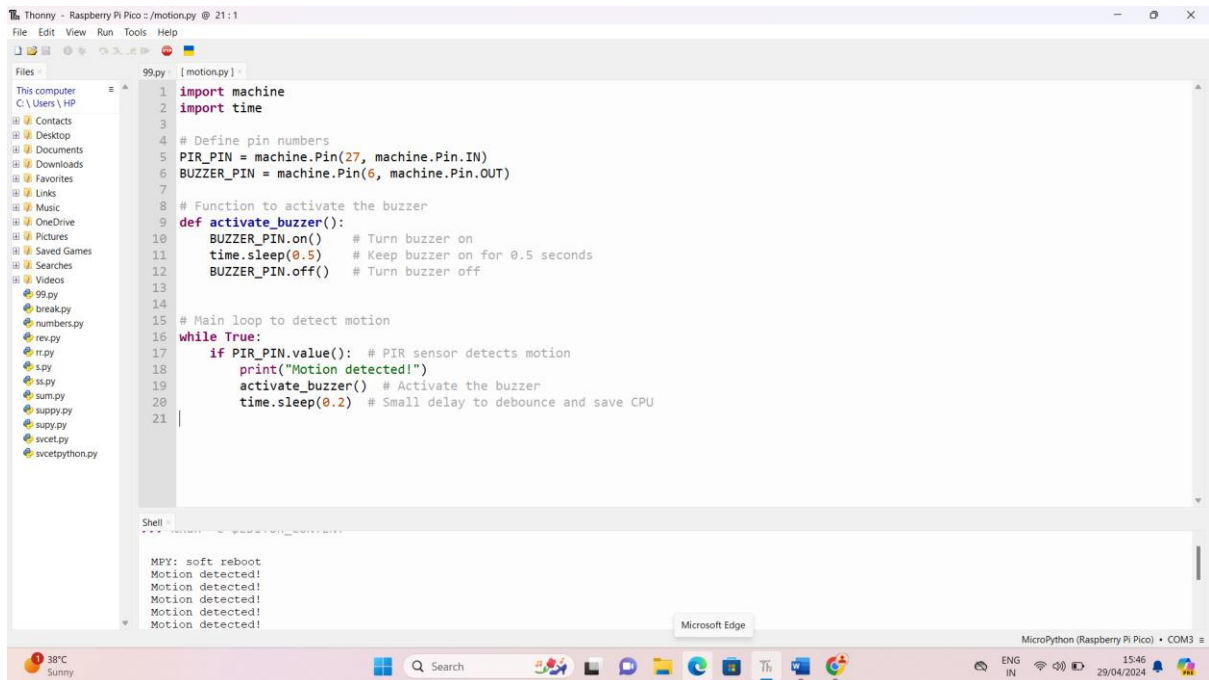


CPS



```
Thonny - Raspberry Pi Pico : /motion.py @ 21:1
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ss.py
sum.py
supply.py
suppy.py
svct.py
svctpython.py

99.py [motion.py]
1 import machine
2 import time
3
4 # Define pin numbers
5 PIR_PIN = machine.Pin(27, machine.Pin.IN)
6 BUZZER_PIN = machine.Pin(6, machine.Pin.OUT)
7
8 # Function to activate the buzzer
9 def activate_buzzer():
10     BUZZER_PIN.on() # Turn buzzer on
11     time.sleep(0.5) # Keep buzzer on for 0.5 seconds
12     BUZZER_PIN.off() # Turn buzzer off
13
14 # Main loop to detect motion
15 while True:
16     if PIR_PIN.value(): # PIR sensor detects motion
17         print("Motion detected!")
18         activate_buzzer() # Activate the buzzer
19         time.sleep(0.2) # Small delay to debounce and save CPU
20
21

Shell
MPY: soft reboot
Motion detected!
Motion detected!
Motion detected!
Motion detected!
Motion detected!
```

Microsoft Edge

MicroPython (Raspberry Pi Pico) • COM3

38°C Sunny 15:46 29/04/2024