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import sys
import time
import Adafruit_DHT
import RPi.GPIO as GPIO

#start time is initialized
start_time = time.time()

#read the temperature and humidity values from the three sensors connected in parallel
#Adafruit_DHT.read_retry(sensor,pin)

humidity1, temperature1 = Adafruit_DHT.read_retry(22,4)
print('Reading from 1st sensor: Temp={0:0.1f}* Humidity={1:0.1f}%'.format(temperature1, humidity1))
time.sleep(0.1)

humidity2, temperature2 = Adafruit_DHT.read_retry(22,17)
print('Reading from 2nd sensor: Temp={0:0.1f}* Humidity={1:0.1f}%'.format(temperature2, humidity2))
time.sleep(0.1)

humidity3, temperature3 = Adafruit_DHT.read_retry(22,27)
print('Reading from 3rd sensor: Temp={0:0.1f}* Humidity={1:0.1f}%'.format(temperature3, humidity3))

#calculate average of above temperature and humidity values
humidity = (humidity1 + humidity2 + humidity3)/3
temperature = (temperature1 + temperature2 + temperature3)/3

if humidity is not None and temperature is not None:
    print('Average temperature is: Temp={0:0.1f}* Humidity={1:0.1f}%'.format(temperature, humidity))

#temperature and humidity conditions for incubator
#Red LED
if (temperature > 39 or humidity > 55):
    GPIO.setmode(GPIO.BOARD) ## Use board pin numbering
    GPIO.setup(7, GPIO.OUT) ## Setup GPIO Pin 7 to OUT
    GPIO.output(7,True) ## Turn on GPIO pin 7

#Green LED
if (37 <= temperature <= 39 and 50 <= temperature <= 55):
    GPIO.setmode(GPIO.BOARD) ## Use board pin numbering
    GPIO.setup(19, GPIO.OUT) ## Setup GPIO Pin 19 to OUT
    GPIO.output(19,True) ## Turn on GPIO pin 19

#Yellow LED
if (temperature < 37 or humidity < 50):
    GPIO.setmode(GPIO.BOARD) ## Use board pin numbering
    GPIO.setup(21, GPIO.OUT) ## Setup GPIO Pin 21 to OUT
    GPIO.output(21,True) ## Turn on GPIO pin 21

else:
    print('Failed to get reading. Try again!')
    sys.exit(1)

#display the time required to run the program
print("--- %s seconds ---" % (time.time() - start_time))

```