

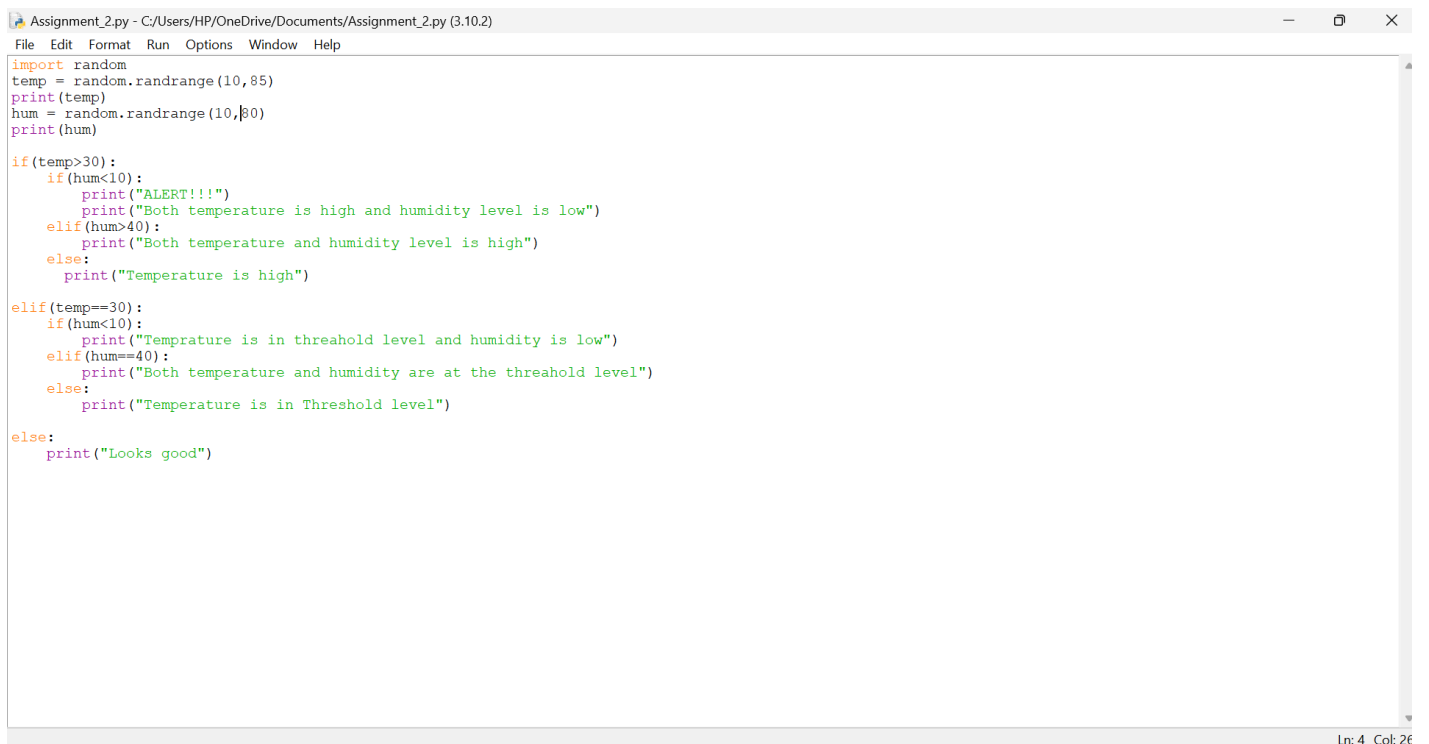
## ASSESSMENT 2

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### TEMPERATURE AND HUMIDITY DETECTION

#### CODE:

A screenshot of a Python IDE window titled "Assignment\_2.py - C:/Users/HP/OneDrive/Documents/Assignment\_2.py (3.10.2)". The window contains a Python script that generates random temperature and humidity values and checks them against thresholds. The code is as follows:

```
import random
temp = random.randrange(10,85)
print(temp)
hum = random.randrange(10,80)
print(hum)

if(temp>30):
    if(hum<10):
        print("ALERT!!!")
        print("Both temperature is high and humidity level is low")
    elif(hum>40):
        print("Both temperature and humidity level is high")
    else:
        print("Temperature is high")
elif(temp==30):
    if(hum<10):
        print("Temprature is in threahold level and humidity is low")
    elif(hum==40):
        print("Both temperature and humidity are at the threahold level")
    else:
        print("Temperature is in Threshold level")
else:
    print("Looks good")
```

The status bar at the bottom right indicates "Ln: 4 Col: 26".

```
import random

temp = random.randrange(10,85)

print(temp)

hum = random.randrange(10,80)

print(hum)


if(temp>30):
    if(hum<10):
        print("ALERT!!!")
```

```

    print("Both temperature is high and humidity level is low")
elif(hum>40):
    print("Both temperature and humidity level is high")
else:
    print("Temperature is high")

elif(temp==30):
    if(hum<10):
        print("Temprature is in threahold level and humidity is low")
    elif(hum==40):
        print("Both temperature and humidity are at the threahold level")
    else:
        print("Temperature is in Threshold level")

else:
    print("Looks good")

```

## OUTPUT:

```

IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
75
34
Temperature is high
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
15
36
Looks good
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
84
50
Both temperature and humidity level is high
>>>

```