

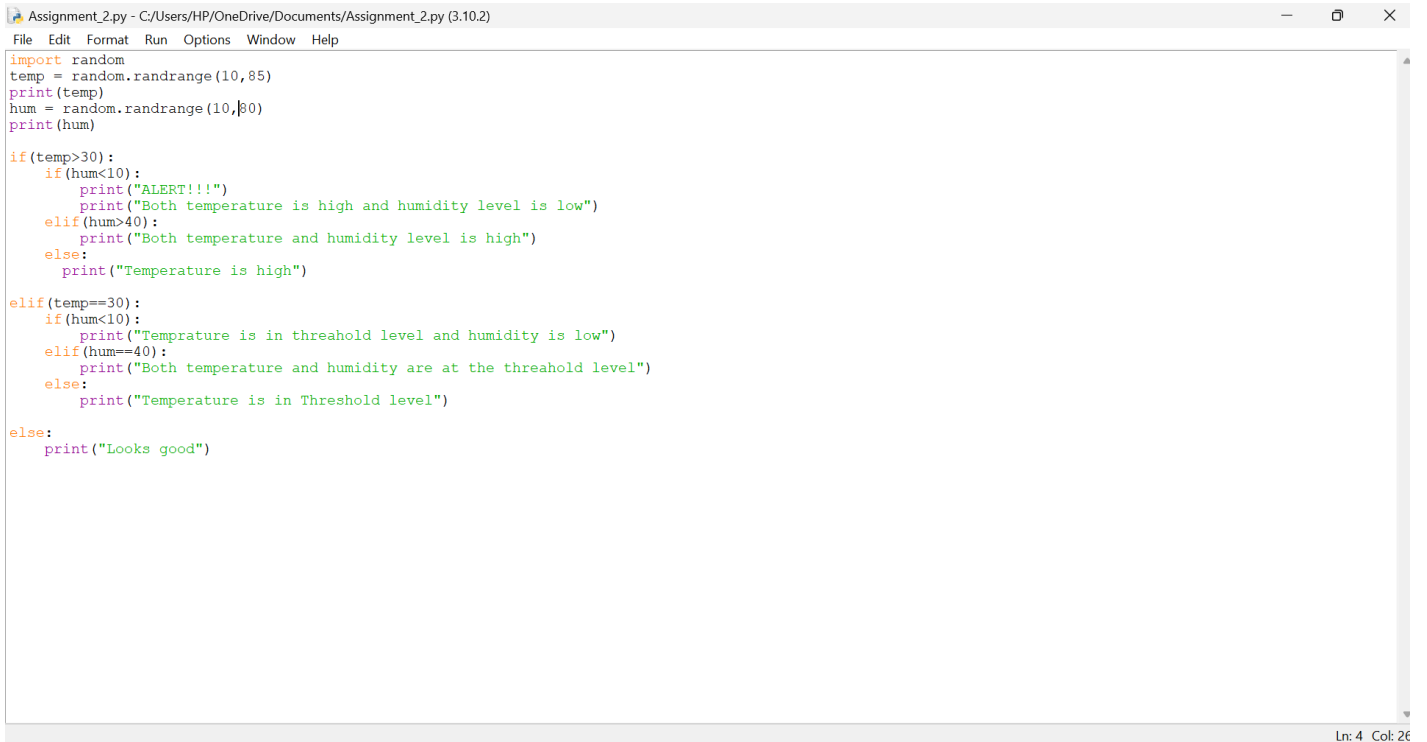
ASSESSMENT 2

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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 menu bar with "File", "Edit", "Format", "Run", "Options", "Window", and "Help". 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("Temperature 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 shows "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):
```

```

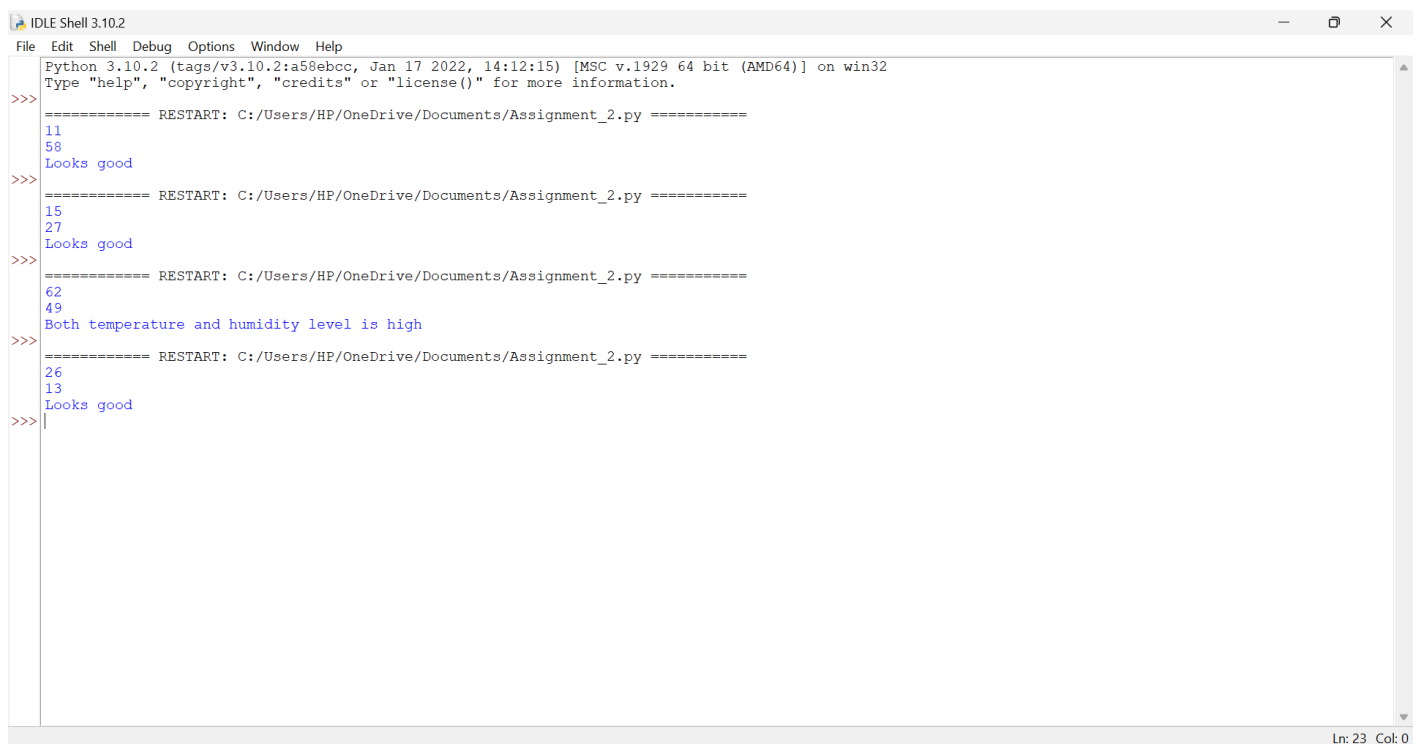
    print("Both temperature and humidity level is high")
else:
    print("Temperature is high")

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 =====
11
58
Looks good
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
15
27
Looks good
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
62
49
Both temperature and humidity level is high
>>>
===== RESTART: C:/Users/HP/OneDrive/Documents/Assignment_2.py =====
26
13
Looks good
>>>

```

Ln: 23 Col: 0