Internet of Things Assignment

Assignment 2:
Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

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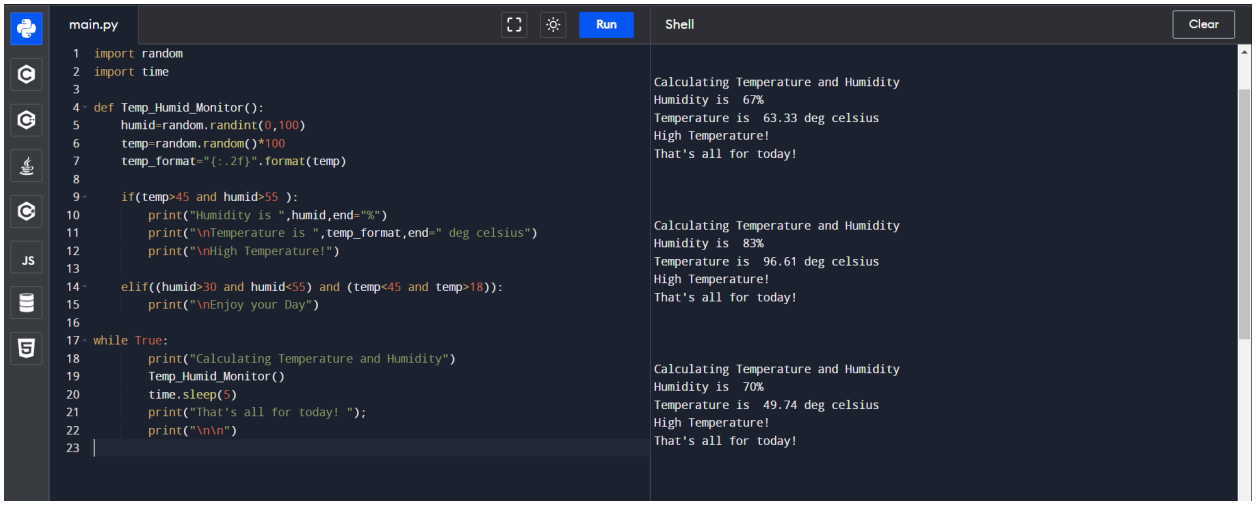
Python Code:

```
import random
import time

def Temp_Humid_Monitor():
    humid=random.randint(0,100)
    temp=random.random()*100
    temp_format="{:.2f}".format(temp)

    if(temp>45 and humid>55 ):
        print("Humidity is ",humid,end="%")
        print("\nTemperature is ",temp_format,end=" deg celsius")
        print("\nHigh Temperature!")

    elif((humid>30 and humid<55) and (temp<45 and temp>18)):
        print("\nEnjoy your Day")

while True:
        print("Calculating Temperature and Humidity")
        Temp_Humid_Monitor()
        time.sleep(5)
        print("That's all for today! ");
        print("\n\n")
```

Screenshot:


main.py
Run
Shell
Clear
1 import random
2 import time
3
4 def Temp_Humid_Monitor():
5 humid=random.randint(0,100)
6 temp=random.random()*100
7 temp_format="{:.2f}".format(temp)
8
9 if(temp>45 and humid>55):
10 print("Humidity is ",humid,end="%")
11 print("\nTemperature is ",temp_format,end=" deg celsius")
12 print("\nHigh Temperature!")
13
14 elif((humid>30 and humid<55) and (temp<45 and temp>18)):
15 print("\nEnjoy your Day")
16
17 while True:
18 print("Calculating Temperature and Humidity")
19 Temp_Humid_Monitor()
20 time.sleep(5)
21 print("That's all for today! ");
22 print("\n\n")
23
Calculating Temperature and Humidity
Humidity is 67%
Temperature is 63.33 deg celsius
High Temperature!
That's all for today!
Calculating Temperature and Humidity
Humidity is 83%
Temperature is 96.61 deg celsius
High Temperature!
That's all for today!
Calculating Temperature and Humidity
Humidity is 70%
Temperature is 49.74 deg celsius
High Temperature!
That's all for today!