Assignment 2

Date	25 September 2022
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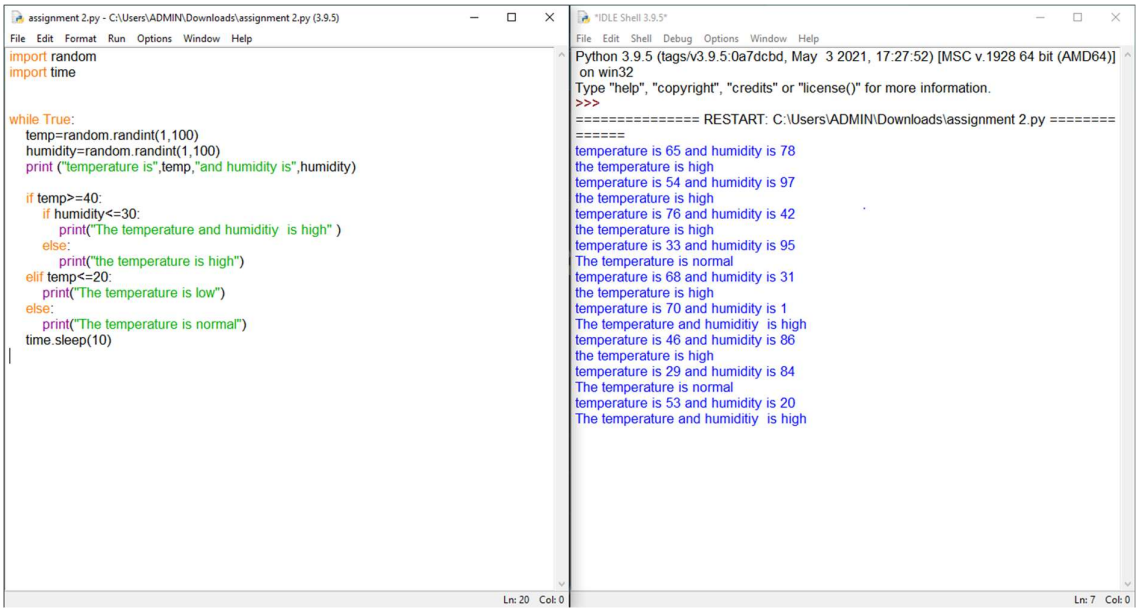
Build a python code, assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

CODE:

```
import random
import time
while True:
    temp=random.randint(1,100)
    humidity=random.randint(1,100)
    print ("temperature is",temp,"and humidity is",humidity)

    if temp>=40:
        if humidity<=30:
            print("The temperature and humiditiy  is high" )
        else:
            print("the temperature is high")
    elif temp<=20:
        print("The temperature is low")
    else:
        print("The temperature is normal")
    time.sleep(10)
```

OUTPUT:


assignment 2.py - C:\Users\ADMIN\Downloads\assignment 2.py (3.9.5)
File Edit Format Run Options Window Help
import random
import time
while True:
temp=random.randint(1,100)
humidity=random.randint(1,100)
print ("temperature is",temp,"and humidity is",humidity)
if temp>=40:
if humidity<=30:
print("The temperature and humiditiy is high")
else:
print("the temperature is high")
elif temp<=20:
print("The temperature is low")
else:
print("The temperature is normal")
time.sleep(10)
Ln: 20 Col: 0
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbd, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\ADMIN\Downloads\assignment 2.py ==========
temperature is 65 and humidity is 78
the temperature is high
temperature is 54 and humidity is 97
the temperature is high
temperature is 76 and humidity is 42
the temperature is high
temperature is 33 and humidity is 95
The temperature is normal
temperature is 68 and humidity is 31
the temperature is high
temperature is 70 and humidity is 1
The temperature and humiditiy is high
temperature is 46 and humidity is 86
the temperature is high
temperature is 29 and humidity is 84
The temperature is normal
temperature is 53 and humidity is 20
The temperature and humiditiy is high
Ln: 7 Col: 0