IBM ASSIGNMENT – 2

Team No:3

Name: Sethupathi Sivaprakasam

Reg No:1919103105

ASSIGNMENT QUESTION

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.

PYTHON CODE:

```
import random
import time
while(100):
    Temperature=random.randrange(35,70,2)
    if(Temperature<40):
        print('The temperature is normal only')
    else:
        print('The temperature is high and it
is',Temperature,"Celsious")
    time.sleep(4)


    Humidity=random.randrange(50,65,3)
    if(Humidity <55):
        print("The humidity is dry and comfy")
else:
    print("The humidity is high and its",Humidity,"here")


time.sleep(4)
```

EXECUTION RESULT

assignment code 2.py - C:/Users/yoges/Documents/Python/assignment code 2.py (3.9.8)

File Edit Format Run Options Window Help

```
import random
import time
while(100):
    Temperature=random.randrange(35,70,2)
    if(Temperature<40):
        print('The temperature is normal only')
    else:
        print('The temperature is high and it is',Temperature,"Celsious")
    time.sleep(4)

    Humidity=random.randrange(50,65,3)
    if(Humidity <55):
        print("The humidity is dry and compfy")
    else:
        print("The humidity is high and its",Humidity,"here")

    time.sleep(4)
```

Ln: 18

IDLE Shell 3.9.8

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```
Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:/Users/yoges/Documents/Python/assignment code 2.py ========
The temperature is high and it is 47 Celsious
The humidity is high and its 56 here
The temperature is high and it is 61 Celsious
The humidity is high and its 56 here
The temperature is normal only
The humidity is high and its 56 here
The temperature is high and it is 61 Celsious
The humidity is dry and compfy
The temperature is normal only
The humidity is high and its 59 here
The temperature is high and it is 43 Celsious
The humidity is high and its 56 here
The temperature is high and it is 47 Celsious
The humidity is high and its 59 here
The temperature is high and it is 57 Celsious
The humidity is dry and compfy
The temperature is high and it is 67 Celsious
The humidity is dry and compfy
The temperature is normal only
The humidity is dry and compfy
The temperature is normal only
The humidity is high and its 56 here
The temperature is high and it is 45 Celsious
The humidity is high and its 56 here
The temperature is high and it is 65 Celsious
The humidity is high and its 56 here
The temperature is high and it is 49 Celsious
The humidity is dry and compfy
The temperature is high and it is 43 Celsious
```

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