SENTHUR KUMAR B

QUESTION:

Build a python code,Assume you 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:

```python
import random

import time

while True:

    t = random.randrange(-100, 200)

    if (t >= 100):

        hum = random.randrange(50,100)

    else:

        hum = random.randrange(0, 49)

    if (t <= 100 and hum < 50):

        print(t, hum, " is the temperature and humidity", end=", ")

        print("Alarm Deactivated ")

    else:

        print(t, hum, " is the temperature and humidity", end=", ")

        print("Alarm Activated")
```

File   Edit   Format   Run   Options   Window   Help

```python
import random
import time

while True:
    t = random.randrange(-100, 200)
    if (t >= 100):
        hum = random.randrange(50,100)
    else:
        hum = random.randrange(0, 49)

    if (t <= 100 and hum < 50):
        print(t, hum, " is the temperature and humidity", end=", ")
        print("Alarm Deactivated ")
    else:
        print(t, hum, " is the temperature and humidity", end=", ")
        print("Alarm Activated")
    time.sleep(3)
```

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```python
port random
port time

ile True:
    t = random.randrange(-100, 200)
    if (t >= 100):
        hum = random.randrange(50,100)
    else:
        hum = random.randrange(0, 49)

    if (t <= 100 and hum < 50):
        print(t, hum, " is the temperature and humidity", end=", ")
        print("Alarm Deactivated ")
    else:
        print(t, hum, " is the temperature and humidity", end=", ")
        print("Alarm Activated")
    time.sleep(3)
EBUG ON]
EBUG OFF]
```

```
================================= RESTART: C:/Users/VIBIN T/AppData/Loca
ograms/Python/Python310/ibm_2.py =================================
5 38   is the temperature and humidity, Alarm Deactivated
2 14   is the temperature and humidity, Alarm Deactivated

================================= RESTART: C:/Users/VIBIN T/AppData/Loca
ograms/Python/Python310/ibm_2.py =================================
6 29   is the temperature and humidity, Alarm Deactivated
  23   is the temperature and humidity, Alarm Deactivated
6 9   is the temperature and humidity, Alarm Deactivated
  23   is the temperature and humidity, Alarm Deactivated
  9   is the temperature and humidity, Alarm Deactivated
8 97   is the temperature and humidity, Alarm Activated
4 75   is the temperature and humidity, Alarm Activated
6 60   is the temperature and humidity, Alarm Activated
3 22   is the temperature and humidity, Alarm Deactivated
  47   is the temperature and humidity, Alarm Deactivated
  39   is the temperature and humidity, Alarm Deactivated
3 87   is the temperature and humidity, Alarm Activated
```

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