

IBM ASSIGNMENT 2

YOGESHWARAN S

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:

```
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")
```

ibm_2.py - C:/Users/VIBIN T/AppData/Local/Programs/Python/Python310/ibm_2.py (3.10.7)

File Edit Format Run Options Window Help

```
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)
```

Ln: 18 Col: 0

E Shell 3.10.7 - C:/Users/VIBIN T/AppData/Local/Programs/Python/Python310/ASS2.txt (3.10...

File Edit Shell Debug Options Window Help

```
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)
[DEBUG ON]
[DEBUG OFF]
```

Ln: 21

39 items