

## IBM ASSIGNMENT 2

737819ECR209

VIBIN.T

### 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)

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```
import random
import time

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    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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while True:
    t = random.randrange(-100, 200)
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        print("Alarm Deactivated ")
    else:
        print(t, hum, " is the temperature and humidity", end=", ")
        print("Alarm Activated")
    time.sleep(3)
[DEBUG ON]
[DEBUG OFF]
```

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39 items