

**Assignment -2**  
Python Programming

Assignment Date	29 September 2022
Student Name	Sriharan.V
Student Roll Number	19BEC026
Maximum Marks	2 Marks

**Question-1:**

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 from time
import sleep

def generate_values():
    temperature = random.randint(10, 50)
    humidity = random.randint(10, temperature)
    return humidity, temperature

humidity = temperature = 0

while temperature < 45:
    humidity, temperature = generate_values()
    print('Humidity:', humidity, 'Temperature:', temperature)
    sleep(0.50)
    print('High Temperature Detected')
```

**OUTPUT:**

```
=== RESTART: C:\Users\srinath\Desktop\IBM\Temperature sensing with python.py ===
Humidity: 22 Temperature: 29
Humidity: 33 Temperature: 33
Humidity: 15 Temperature: 19
Humidity: 13 Temperature: 13
Humidity: 16 Temperature: 34
Humidity: 29 Temperature: 47
High Temperature Detected
```