ASSIGNMENT – 2

Build a python code assume u get temperature and humidity value (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PYTHON PROGRAM :

```python
import random
from time import sleep

def generate_values():
  temperature = random.randint(20, 40)
  humidity = random.randint(10, temperature)
  return humidity, temperature

humidity = temperature = 0

while temperature < 30:
  humidity, temperature = generate_values()
  print('Humidity:', humidity, 'Temperature:', temperature)
  sleep(0.40)

print('High Temperature Detected')
```

OUTPUT :

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit
(AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
================== RESTART: C:/Users/ELCOT/Downloads/aa.py
==================
Humidity: 18 Temperature: 20
Humidity: 20 Temperature: 37
High Temperature Detected
>>>
```

```
================== RESTART: C:/Users/ELCOT/Downloads/aa.py
==================
Humidity: 11 Temperature: 36
High Temperature Detected
>>>
================== RESTART: C:/Users/ELCOT/Downloads/aa.py
==================
Humidity: 34 Temperature: 36
High Temperature Detected
>>>
```