

**Assignment -2**  
Python Programming

Assignment Date	19 September 2022
Student Name	J. Samuvel Stephens
Student Roll Number	812419106037
Maximum Marks	2 Marks

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.

```
import random
from time import sleep
def generate_values():
    temperature = random.randint(14, 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**

Humidity: 28 Temperature: 30

Humidity: 13 Temperature: 19

Humidity: 19 Temperature: 46

**High Temperature Detected**

```
Python 370 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bbf9cc5093, 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/absar/AppData/Local/Programs/Python/Python37/Arun Kumar Assignment 2.py
Humidity: 20 Temperature: 30
Humidity: 19 Temperature: 19
Humidity: 19 Temperature: 46
High Temperature Detected
>>>
```

Lrc 9 Col: 4

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29-09-2022