

ASSIGNMENT-2

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(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:

```
Humidity: 12 Temperature: 24
Humidity: 27 Temperature: 30
Humidity: 17 Temperature: 19
Humidity: 10 Temperature: 11
Humidity: 15 Temperature: 19
Humidity: 45 Temperature: 49
High Temperature Detected
```

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
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/absar/AppData/Local/Programs/Python/Python37/Bala Murugan Assignment 2.py
Humidity: 12 Temperature: 24
Humidity: 27 Temperature: 30
Humidity: 17 Temperature: 19
Humidity: 10 Temperature: 11
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Humidity: 45 Temperature: 49
High Temperature Detected
>>> |
```

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