Assignment -1
Python Programming

Assignment Date	19 September 2022
Student Name	Mr.S.Aslam Basha
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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.

```python
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: 10 Temperature: 20

Humidity: 20 Temperature: 30

Humidity: 24 Temperature: 35

Humidity: 23 Temperature: 49

High Temperature Detected

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/Aslam Basha Assignment 2.py
Humidity: 10 Temperature: 20
Humidity: 20 Temperature: 30
Humidity: 24 Temperature: 35
Humidity: 23 Temperature: 49
High Temperature Detected
>>>
```