

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(20, 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: 22 Temperature: 30
Humidity: 26 Temperature: 41
Humidity: 21 Temperature: 38
Humidity: 24 Temperature: 27
Humidity: 41 Temperature: 44
Humidity: 10 Temperature: 23
Humidity: 32 Temperature: 34
Humidity: 21 Temperature: 31
Humidity: 18 Temperature: 22
Humidity: 26 Temperature: 29
Humidity: 23 Temperature: 23
Humidity: 32 Temperature: 32
Humidity: 21 Temperature: 32
Humidity: 16 Temperature: 20
Humidity: 28 Temperature: 42
```

Humidity: 12 Temperature: 34

Humidity: 35 Temperature: 44

Humidity: 18 Temperature: 25

Humidity: 17 Temperature: 33

Humidity: 32 Temperature: 34

Humidity: 15 Temperature: 26

Humidity: 27 Temperature: 27

Humidity: 18 Temperature: 30

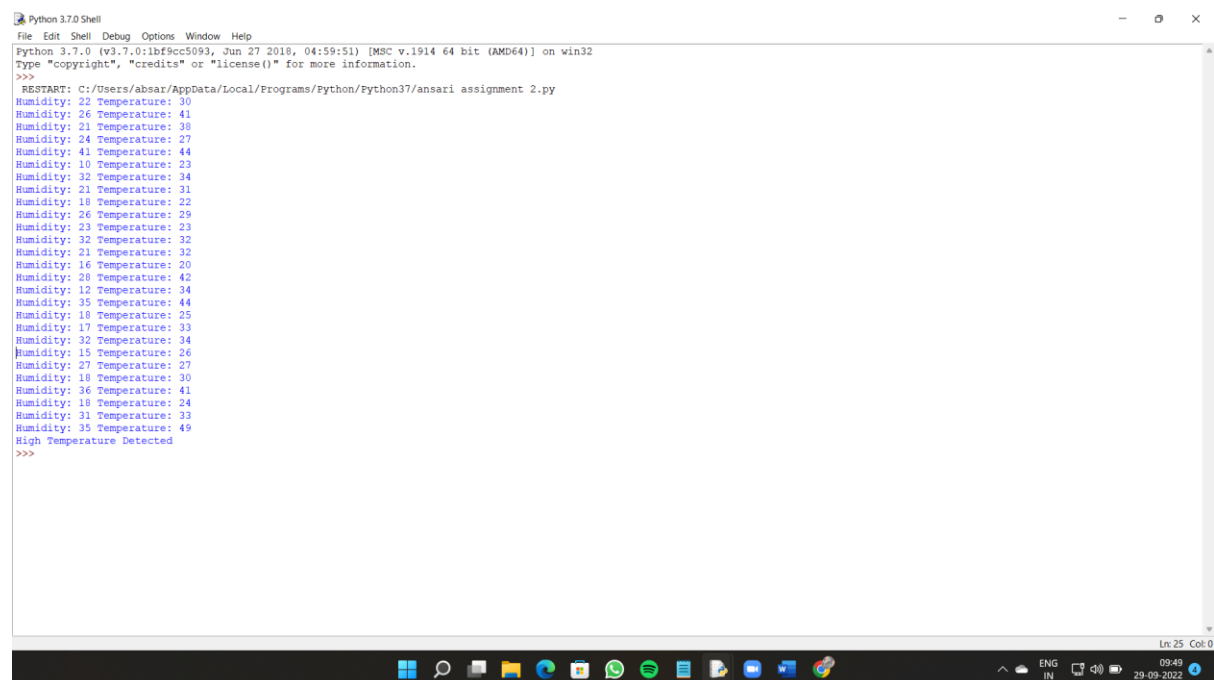
Humidity: 36 Temperature: 41

Humidity: 18 Temperature: 24

Humidity: 31 Temperature: 33

Humidity: 35 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/ansari assignment 2.py
Humidity: 22 Temperature: 30
Humidity: 26 Temperature: 41
Humidity: 21 Temperature: 38
Humidity: 24 Temperature: 27
Humidity: 41 Temperature: 44
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Humidity: 12 Temperature: 34
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Humidity: 32 Temperature: 34
Humidity: 15 Temperature: 26
Humidity: 27 Temperature: 27
Humidity: 18 Temperature: 30
Humidity: 36 Temperature: 41
Humidity: 18 Temperature: 24
Humidity: 31 Temperature: 33
Humidity: 35 Temperature: 49
High Temperature Detected
>>>
```