

ASSIGNMENT – 2

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PROJECT NAME : IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

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 :

```
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:

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/ELCOT/AppData/Local/Programs/Python/Python37/assi2.py ==

Humidity: 12 Temperature: 31

Humidity: 39 Temperature: 43

Humidity: 10 Temperature: 19

Humidity: 15 Temperature: 32

Humidity: 13 Temperature: 47

High Temperature Detected

>>>

== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/assi2.py ==

Humidity: 26 Temperature: 39

Humidity: 25 Temperature: 49

High Temperature Detected

>>> |