Assignment – 2

PYTHON PROGRAM

Assignment Date	29 September 2022
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Maximum Marks	2 Marks

Question-1:

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.

SOLUTION :

PYTHON PROGRAM :

```python
import random
from time import sleep

def generate_values():
 temperature = random.randint(20, 40)
 humidity = random.randint(10, temperature)
 return humidity, temperature

humidity = temperature = 0

while temperature < 30:
 humidity, temperature = generate_values()
 print('Humidity:', humidity, 'Temperature:', temperature)
 sleep(0.40)

print('High Temperature Detected')
```

OUTPUT :

```
Humidity: 29 Temperature: 40
High Temperature Detected
```

```
>>>
================== RESTART: C:/Users/ELCOT/OneDrive/Pictures/sss.py
==================
Humidity: 11 Temperature: 25
Humidity: 16 Temperature: 38
High Temperature Detected
>>>
================== RESTART: C:/Users/ELCOT/OneDrive/Pictures/sss.py
==================
Humidity: 30 Temperature: 35
High Temperature Detected
>>>
```