

Assignment -2
Python Programming




Assignment Date	03 October 2022
Student Name	V.Hamsavarthini
Student Roll Number	19043
Maximum Marks	2 Marks

Question-1:

Build a python code, assume you 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

Solution:

```
import random
from time import sleep
def generate_values():
    Temperature=random.randint(10,50)
    Humidity=random.Ranint(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')
```

main.py	  	Shell
<pre>1 import random 2 from time import sleep 3 4 def generate_values(): 5 temperature = random.randint(10, 50) 6 humidity = random.randint(10, temperature) 7 return humidity, temperature 8 9 humidity = temperature = 0 10 11 while temperature < 45: 12 humidity, temperature = generate_values() 13 print('Humidity:', humidity, 'Temperature:', temperature) 14 sleep(0.50) 15 16 print('High Temperature Detected')</pre>		<pre>Humidity: 14 Temperature: 28 Humidity: 18 Temperature: 39 Humidity: 25 Temperature: 45 High Temperature Detected ></pre>

