

**Assignment -2**  
Python Programming

Assignment Date	03 October 2022
Student Name	R.Mutheeswari
Student Roll Number	19050
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(10,60)
    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')
```

```
1 import random
2 from time import sleep
3
4 def generate_values():
5     temperature = random.randint(10, 60)
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')
17
```

Humidity: 13 Temperature: 41  
Humidity: 49 Temperature: 49  
High Temperature Detected

