Assignment -2
Python Programming

Assignment Date	03 October 2022
Student Name	K.Bharathraj
Student Roll Number	19030
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(12,50)
    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')
```

```python
import random
from time import sleep

def generate_values():
    temperature = random.randint(12, 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')
```

```
Humidity: 11 Temperature: 28
Humidity: 15 Temperature: 38
Humidity: 21 Temperature: 24
Humidity: 14 Temperature: 18
Humidity: 16 Temperature: 27
Humidity: 28 Temperature: 30
Humidity: 46 Temperature: 47
High Temperature Detected
```