Assignment Date	19 September 2022
Student Name	Mr. Arul.B
Student Roll Number	812419106006
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u 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.

```
import random

from time import sleep

def generate_values():

  temperature = random.randint(20, 50)

  humidity = random.randint(10, temperature)

  return humidity, temperature

humidity = temperature = 0

while temperature < 50:

  humidity, temperature = generate_values()

  print('Humidity:', humidity, 'Temperature:', temperature)

  sleep(0.50)

print('High Temperature Detected')
```

OUTPUT:

Humidity: 23 Temperature: 49

Humidity: 27 Temperature: 42

Humidity: 18 Temperature: 28

Humidity: 20 Temperature: 22

Humidity: 36 Temperature: 36

Humidity: 29 Temperature: 47

Humidity: 22 Temperature: 34

Humidity: 27 Temperature: 29

Humidity: 15 Temperature: 30

Humidity: 19 Temperature: 47

Humidity: 29 Temperature: 39

Humidity: 21 Temperature: 22

Humidity: 18 Temperature: 30

Humidity: 18 Temperature: 20

Humidity: 24 Temperature: 29

Humidity: 26 Temperature: 27

Humidity: 19 Temperature: 33

Humidity: 16 Temperature: 23

Humidity: 21 Temperature: 48

Humidity: 21 Temperature: 21

Humidity: 34 Temperature: 43

Humidity: 25 Temperature: 42

Humidity: 26 Temperature: 27

Humidity: 20 Temperature: 25

Humidity: 11 Temperature: 47

Humidity: 28 Temperature: 50

High Temperature Detected