Assignment -2

Python Programming

Assignment Date	19 September 2022
Student Name	Kalpana T
Student Roll Number	621119106014
Maximum Marks	2 Marks

Question:

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.

Solution:

PROGRAM:

```
import random
import time
while True:
  Temperature = random.randint(0,150)
  Humidity = random.randint(0,100)
  if Temperature > 100 and Humidity > 80:
    print("Temperature : " + str(Temperature))
    print("Humidity : " + str(Humidity))
    print("Temperature and Humidity is High")
    print("Alarm On !!!")
    print("")
    time.sleep(2)
  else:
    print("Temperature: " + str(Temperature))
    print("Humidity : " + str(Humidity))
    print("Range is Normal")
    print("")
```

OUTPUT: