

ASSIGNMENT 2

Assignment date	19 september 2022
Student name	Sabitha V
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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

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    print("Temperature: ", "%.3f" % temperature)
    print("Humidity: ", "%.3f" % humidity)
    time.sleep(2)
    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")
    print(" ")
```

OUTPUT

```
main.py
1 import random
2 import time
3 while(1!=0):
4     temperature = random.random()

Input
Humidity: 0.676
high humidity

Temperature: 0.058
Humidity: 0.454

Temperature: 0.415
Humidity: 0.850
high humidity

Temperature: 0.631
Humidity: 0.316
high temperature

Temperature: 0.479
Humidity: 0.850
high humidity

Temperature: 0.494
Humidity: 0.042

Temperature: 0.047
Humidity: 0.976
high humidity

Temperature: 0.079
Humidity: 0.561
high humidity

Temperature: 0.795
```