Assignment -2

Python Programming

Assignment Date	27 September 2022	
Student Name	Alfha A	
Student Roll Number	960219106019	
Maximum Marks	2 Marks	

Question:

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*
gate=True
while(gate):
    t=random.randint(0,50)
    h=random.randint(10,50)
    if t>45 and h<40:
        print("Temperature=",t,"Humidity=",h)
        print("ALARM ON")
        gate=False
    else:
        print("Temperature=",t,"Humidity",h)
        sleep(1);
```

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                                                                                                                     Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
import random
from time import*
                                                                                                                     Type "copyright", "credits" or "license()" for more information.
gate=True
      t=random.randint(0.50)
                                                                                                                                                 == RESTART: C:\Users\ELCOT\Desktop\ibm.pv ========
                                                                                                                     Temperature= 39 Humidity 37
Temperature= 5 Humidity 27
      h=random.randint(10,50)
      if t>45 and h<40:
                                                                                                                    Temperature= 5 Humidity 27
Temperature= 33 Humidity 37
Temperature= 23 Humidity 33
Temperature= 43 Humidity 20
Temperature= 37 Humidity 42
            print("Temperature=",t,"Humidity=",h)
             print("ALARM ON")
             gate=False
                                                                                                                    Temperature= 37 Humidity 42
Temperature= 40 Humidity 16
Temperature= 40 Humidity 10
Temperature= 19 Humidity 10
Temperature= 6 Humidity 13
Temperature= 31 Humidity 17
Temperature= 16 Humidity 27
Temperature= 47 Humidity= 15
            print("Temperature=",t,"Humidity",h)
                                                                                                                     >>>
```