Assignment -2Python Programming

Assignment Date	24 September 2022
Student Name	P. VINAY KUMAR
Student Roll Number	MECR19EC143
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.

Solution:

```
import random
import time
while(1):
 temp=random.randint(0,80) hum=random.randint(0,80) if(15<=temp<=30):
  #room temperature in degrees Celsius between
15C - 30C print("Temperature is normal. Temperature =
    ",temp)
 elif(temp<15): print("Temperature is too low.
    Temperature = ",temp)
  elif(temp>30):
    print("Temperature is too high. Temperature = ",temp)
  if(30<=hum<=50):
                                  #humidity may percentage between 30% - 50%
    print("Humidity is normal. Humidity = ",hum)
  elif(hum<30): print("Very less humidity.
    Humidity = ",hum)
  elif(hum>50):
    print("Very high humidity. Humidity = ",hum)
  print() time.sleep(2)
                                      #It observe temperature every 2
  seconds SAMPLE INPUT AND OUTPUT:
```

