Assignment -2 Python Programming

Team ID:PNT2022TMID53952

Assignment Date	**24 September 2022**
Student Name	**Aruna A**
Student Roll Number	**95071914012**
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 :