

Assignment -2
Python Programming

Assignment Date	24 September 2022
Student Name	R. JASWANTH VARMA
Student Roll Number	MECR19EC149
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 :
```

