

SNS COLLEGE OF TECHNOLOGY
COIMBATORE 641305
Department of Computer Science and Engineering

ASSIGNMENT 2

Assignment Date	25 September 2022
Student Name	Vishnu Vardhan.R
Student Roll Number	713319CS168
Maximum Marks	2 Marks

TEAM ID : PNT2022TMID18038

MENTOR NAME : B. Vinodhini

Assignment:

Build a python code, Assume you get a temperature and humidity values (generated with random function to a variable) and write a condition to detect alarm in case of high temperature.

Code:

```
import random

while(True):

    temp=random.randint(10,99)

    humid=random.randint(10,99)

    print("current temperature:",temp)

    print("current humidity:",humid,"%")


    temp_ref=37

    humid_ref=35


    if temp>temp_ref and humid<humid_ref:print("Alarm

    On")

    else:

        print("Alarm off")

        break
```

Output:

```
current temperature: 54  
current humidity: 28 %  
Alarm On  
current temperature: 54  
current humidity: 96 %  
Alarm off
```