

## ASSIGNMENT-2

### PYTHON CODE

Assignment Date	26 September 2022
Student Name	Akshaya S V
Student Roll Number	201914
Maximum Marks	2 Marks

### QUESTIONS:

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:

```
def temp_humid():  
    if(T>temp_thresh and H>humid_thresh):  
        print ('Temperature is high!!! Humidity is high!!!')  
        print ('Alarm rings!!!!!!')  
    elif(T<temp_thresh and H<humid_thresh): print  
        ('Temperature is low and humidity is low')  
    elif(T>temp_thresh and H<humid_thresh):  
        print ('Temperature is high!!!! but humidity is low')  
        print ('Alarm rings due to high Temperature ')  
    elif(T<temp_thresh and H>humid_thresh):  
        print ('Temperature is low but humidity is high!!!')  
    elif(T==temp_thresh ):
```

```
    print ('Temperature is in threshold')
elif( H==humid_thresh):

    print ('Humidity is in threshold')
else:

    Print ('Temperature and humidity are in threshold')
T=int(input('ENTER TEMPERATURE :'))
H= int(input('ENTER HUMIDITY VALUE :'))
temp_thresh=65 humid_thresh=55 temp_humid()
```