

ASSIGNMENT-2
PYTHON CODE

Assignment Date	26 September 2022
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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()
```