

Assignment 2

Build a python code assume u get a temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

Program:

```
#from machine import Pin

import random

from time import sleep

#btn=Pin(4,Pin.IN)

while True:

    temp = random.randint(1,100)

    print("current temp=", temp)

    humid = random.randint(1,100)

    print("current humid=", humid)

    if(temp>= 50 and humid<35):

        print("Alarm On")

    else:

        print("Alarm Off")
```

sleep(2)

O/P

Thonny - C:\Users\student.IT.000\Desktop\mujamil.py @ 14:13

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mujamil.py ×

```
1 #from machine import Pin
2 import random
3 from time import sleep
4 #btn=Pin(4,Pin.IN)
5 while True:
6     temp = random.randint(1,100)
7     print("current temp=", temp)
8     humid = random.randint(1,100)
9     print("current humid=", humid)
10    if(temp>= 50 and humid<35):
11        print("Alarm On")
12    else:
13        print("Alarm Off")
14    sleep(2)
```

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Shell ×

```
Alarm Off
current temp= 8
current humid= 77
Alarm Off
current temp= 30
current humid= 18
Alarm Off
```