

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



jayabalanand.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)
```

Shell ×

```
Alarm On
current temp= 57
current humid= 44
Alarm Off
current temp= 91
current humid= 6
Alarm On
```