

ASSIGNMENT -2
PYTHON PROGRAMMING

Assignment Date	01 October 2022
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Maximum Mark	2 Marks

Question:

BUILD A PYTHON CODE ,ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINUOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE

```
#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)
```

OUTPUT:

main.py	Run	Shell
1 #from machine import Pin		current humid= 76
2 import random		Alarm Off
3 from time import sleep		current temp= 49
4 #btn=Pin(4,Pin.IN) while		current humid= 66
5 while True:		Alarm Off
6 temp = random.randint(1,100)		current temp= 94
7 print("current temp=",temp)		current humid= 61
8 humid = random.randint(1,100)		Alarm Off
9 print("current humid=",humid)		current temp= 56
10 if(temp>=50 and humid<35):		current humid= 50
11 print("Alarm On")		Alarm Off
12 else:		current temp= 65
13 print("Alarm Off")		current humid= 68
14 sleep(2)		Alarm Off
		current temp= 22