

MARTHANDAM COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT-2

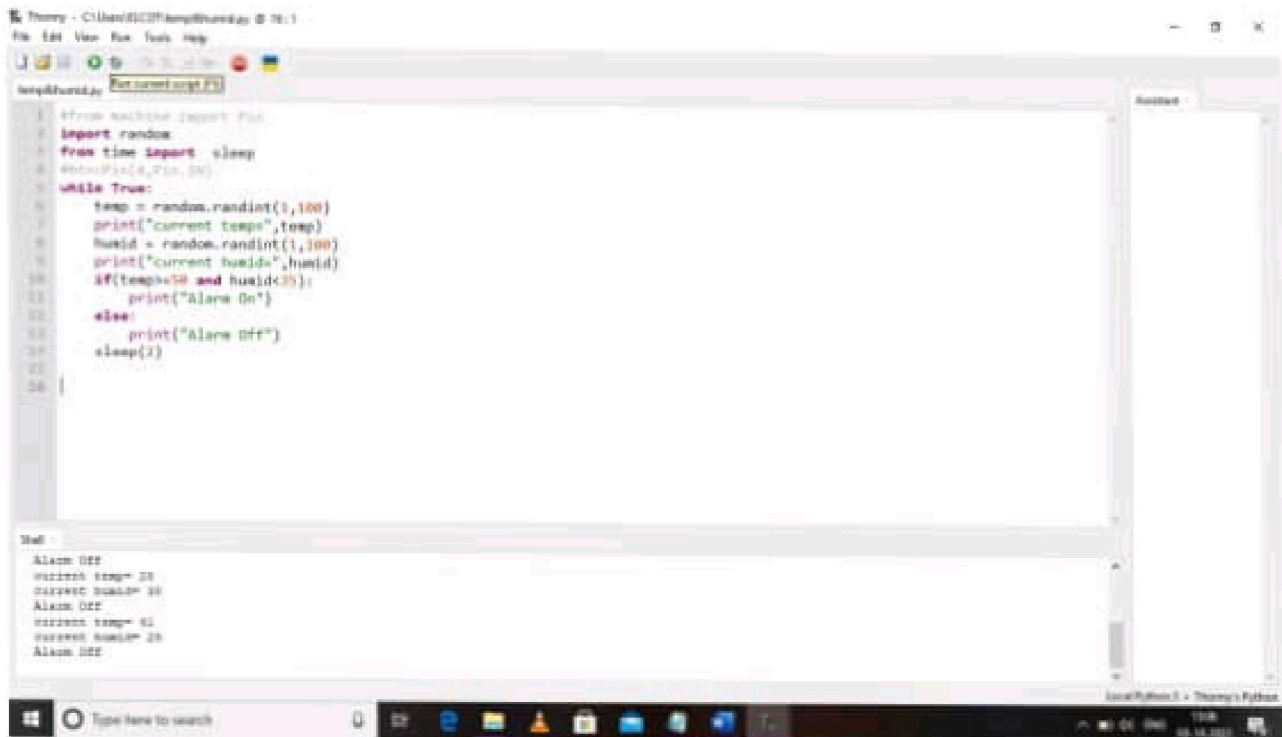
NAME. : MANISHWARAN P
REGISTER NO : 961619106011
TEAM ID : PNT2022TMID51798

BULID A PYTHON CODE ,ASSUME U GET 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)
```

OUTPUT :



```
1 from machine import Pin
2 import random
3 from time import sleep
4 sensorPin = 4, 7 pin, 30
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>50):
11        print("Alarm On")
12    else:
13        print("Alarm Off")
14    sleep(1)
15
16
```

Shell

```
Alarm Off
current temp= 28
current humid= 30
Alarm Off
current temp= 61
current humid= 26
Alarm Off
```