

MARTHANDAM COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT-2

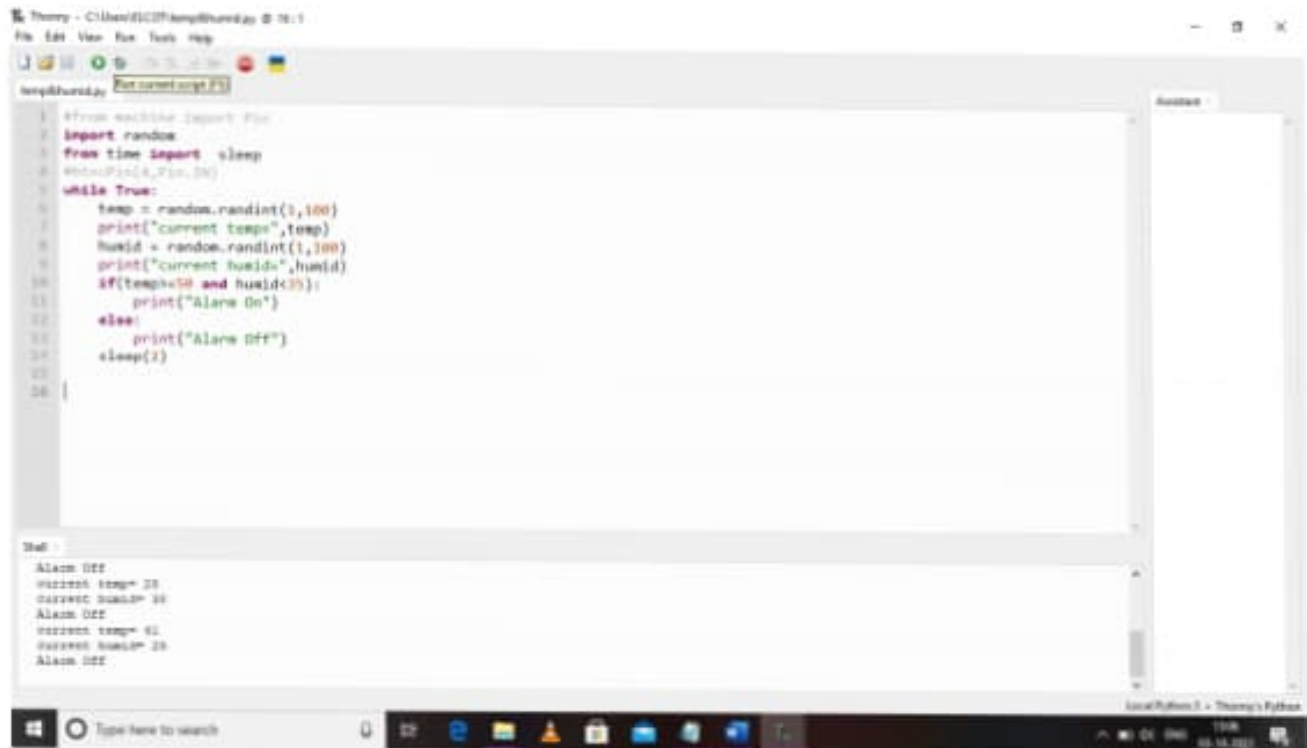
NAME. : Y S.JEBALIN
REGISTER NO : 961619106007
TEAM ID : PNT2022TMID51798

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 :



The screenshot shows a Python IDE window titled "Therry - C:\Users\SC\Documents\Therry\Therry.py @ 16:1". The code in the editor is as follows:

```
1 #From machine Import Pin
2 import random
3 from time import sleep
4 import Pin(A,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)
15
16 |
```

The output in the console window is:

```
Alarm Off
current temp= 28
current humid= 39
Alarm Off
current temp= 61
current humid= 29
Alarm Off
```

The IDE interface includes a menu bar (File, Edit, View, Run, Tools, Help), a toolbar, and a Windows taskbar at the bottom with the search bar and system tray.