MARTHANDAM COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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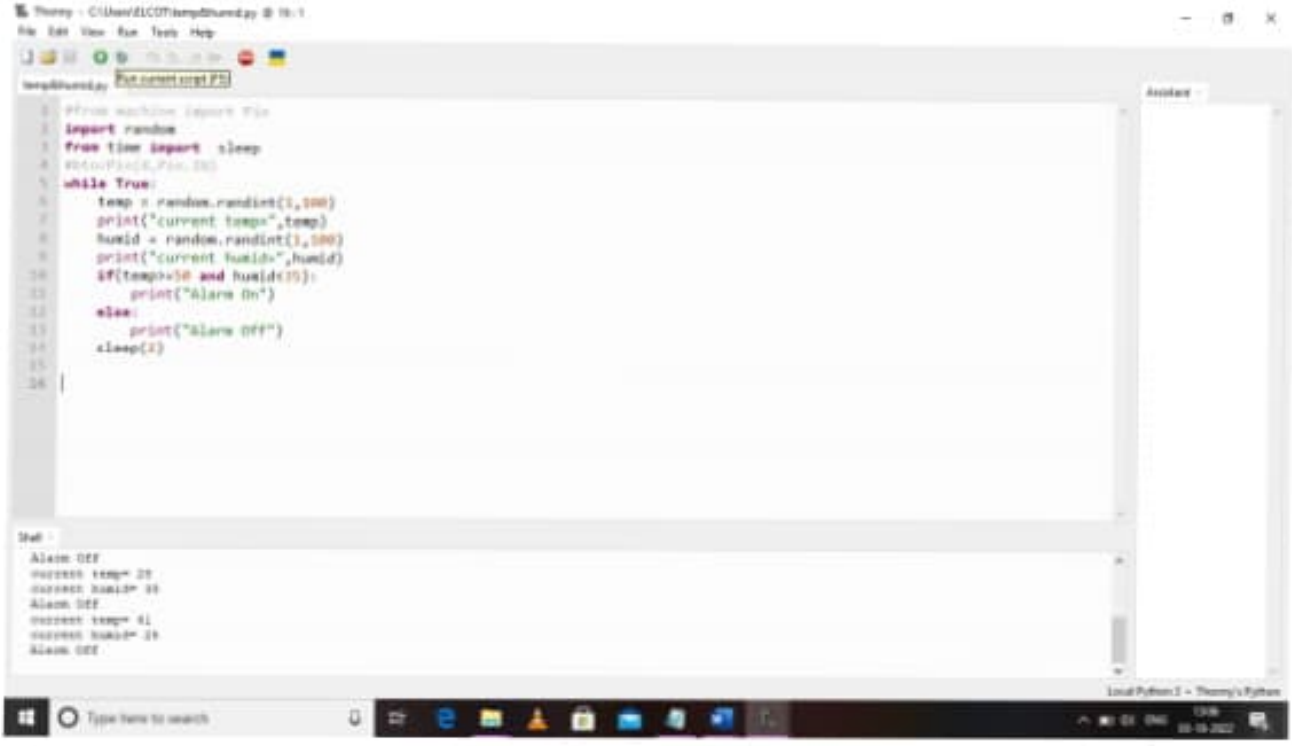
BULID A PYTHON CODE ,ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE

PROGRAM:PNT2022TMID51798

```
#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 :


Run current script (F5)
from machine import Pin
import random
from time import sleep
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<=75):
print("Alarm On")
else:
print("Alarm Off")
sleep(1)
Alarm Off
current temp= 25
current humid= 33
Alarm Off
current temp= 61
current humid= 29
Alarm Off
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