S.A ENGINEERING COLLEGE

AVADI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ASSIGNMENT-2

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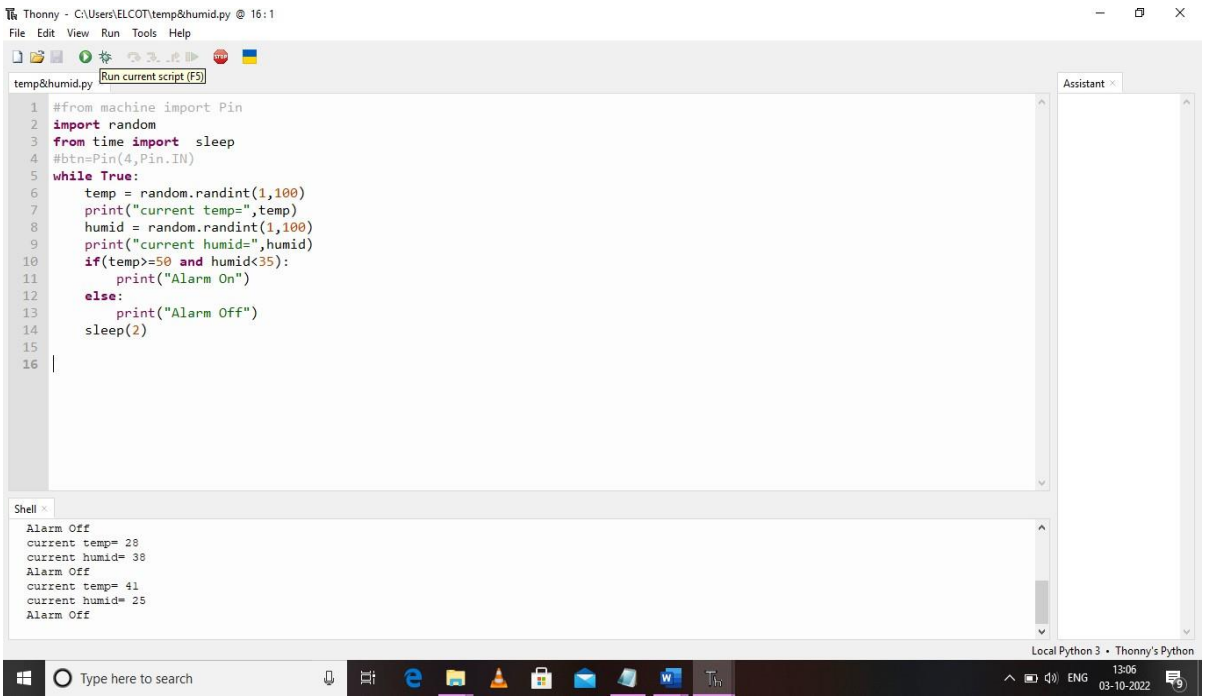
BULID A PYTHON CODE, ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE

PROGRAM:

```
#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 :


Thonny - C:\Users\ELCOT\temp&humid.py @ 16 : 1
File Edit View Run Tools Help
temp&humid.py
Run current script (F5)
Assistant
#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)
Shell
Alarm Off
current temp= 28
current humid= 38
Alarm Off
current temp= 41
current humid= 25
Alarm Off
Local Python 3 • Thonny's Python
Type here to search
ENG
13:06
03-10-2022