NANDHA ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ASSIGNMENT-2

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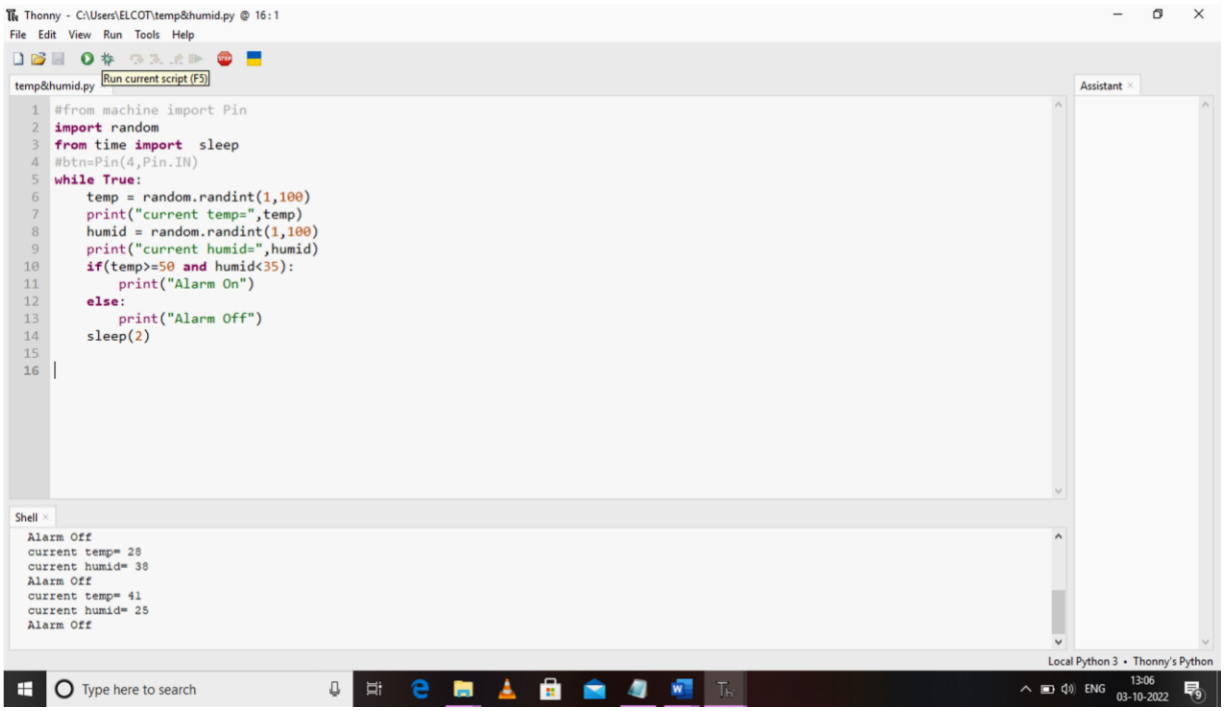
BULID A PYTHON CODE ,ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE

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
Run current script (F5)
temp&humid.py
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