SALEM COLLEGE OF ENGINEE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT-2

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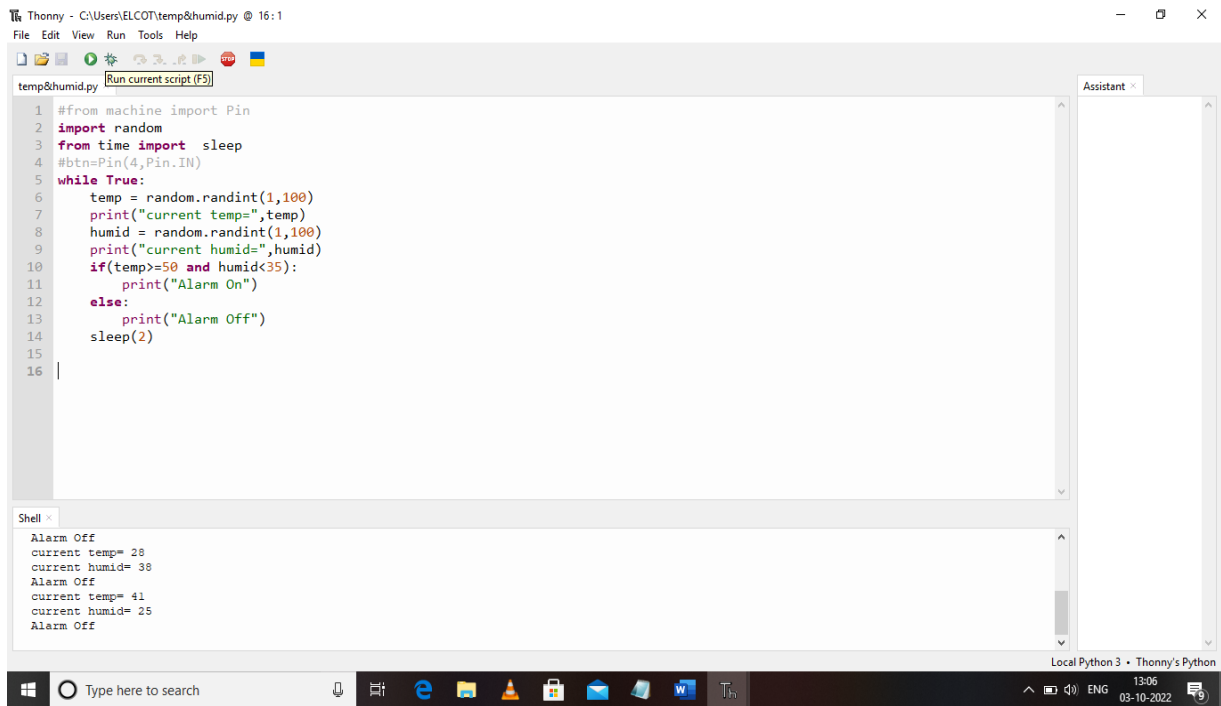
GOWRI R

DEEPIKA VS

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 :


```python
#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
```