

IOT ASSIGNMENT 2

TOPIC: Assignment on temperature and humidity sensing and alarm automation using python

Name: *Ramesh S*

CODE:

```
import random
while(True):
    a=random.randint(20,80)
    b=random.randint(20,80)
    if(a>45 and b>75):
        print('HIGH TEMPERATURE AND HUMIDITY OF:',a,b,"%","ALARM IS ON")
        continue
    elif(a<45 and b<75):
        print('NORMAL TEMPERATURE AND HUMIDITY OF:',a,b,"%","ALARM IS OFF")
        break
```

OUTPUT:-

OnlineGDB beta

online compiler and debugger for c/c++

code. compile. run. debug. share.

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main.py

1 import random

2 while(True):

3 a=random.randint(20,80)

4 b=random.randint(20,80)

5 if(a>45 and b>75):

6 print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")

7 continue

8 elif(a<45 and b<75):

9 print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")

10 break

11

input

^[[20;9~NORMAL TEMPERATURE AND HUMIDITY OF: 24 38 % ALARM IS OFF

...Program finished with exit code 0

Press ENTER to exit console.

Language Python 3

Activate Windows

Go to Settings to activate Windows.