

IOT ASSIGNMENT 2

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

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CODE:

```
import random
i=5
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b<65):
        print("HIGH TEMPERATURE AND HUMIDITY
OF:",a,b,"%","ALARM IS ON")
    elif(a<35 and b>65):
        print("NORMAL TEMPERATURE AND HUMIDITY
OF:",a,b,"%","ALARM IS OFF")
    if(i<55):
        i=i+1
        random
    else:
        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 i=5

3 while(True):

4 a=random.randint(10,100)

5 b=random.randint(10,100)

6 if(a>35 and b<65):

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

8 elif(a<35 and b>65):

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

10 if(i<55):

11 i=i+1

12 random

13 else:

14 break

input

HIGH TEMPERATURE AND HUMIDITY OF: 45 42 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 72 34 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 100 54 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 95 11 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 81 44 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 87 57 % ALARM IS ON

HIGH TEMPERATURE AND HUMIDITY OF: 79 43 % ALARM IS ON

...Program finished with exit code 0

Press ENTER to exit console.

Language Python 3