

ASSIGNMENT NO-2

Project Name: Smart Farmer - IoT Enabled Smart Farming Application

Batch Number: B1-M3E

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

Code:

```
import random while(True):  
    a=random.randint(10,99)  
    b=random.randint(10,99)    if(a>40  
and b>70):  
        print("high temprature and humidity of:",a,b,"%","alarm is on")  
elif(a<30 and b<55):  
    print("Normal temprature and humidity of:",a,b,"%","alarm is off")  
    break
```

Name : SAMADHI SRIKANTH

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main.py

```
1 import random
2
3 while(True):
4
5     a=random.randint(10,99)
6
7     b=random.randint(10,99)
8
9     if(a>40 and b>70):
10
11         print("high temprature and humidity of:",a,b,"%","alarm is on")
12
13     elif(a<30 and b<55):
14
15         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
16
17         break
```

input

high temprature and humidity of: 65 97 % alarm is on
Normal temprature and humidity of: 11 33 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.

Online C Compiler - online editor

onlinegdb.com/online_c_compiler

Language Python 3

Run Debug Stop Share Save Beautify

36°C Light rain 18:23 24-09-2022