Arunachala College of Engineering for Women,Manavilai

Department of Electronics and Communication Engineering

Nalaya Thiran

IOT Assignment

Domain:IoT Enabled Smartfarming application

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

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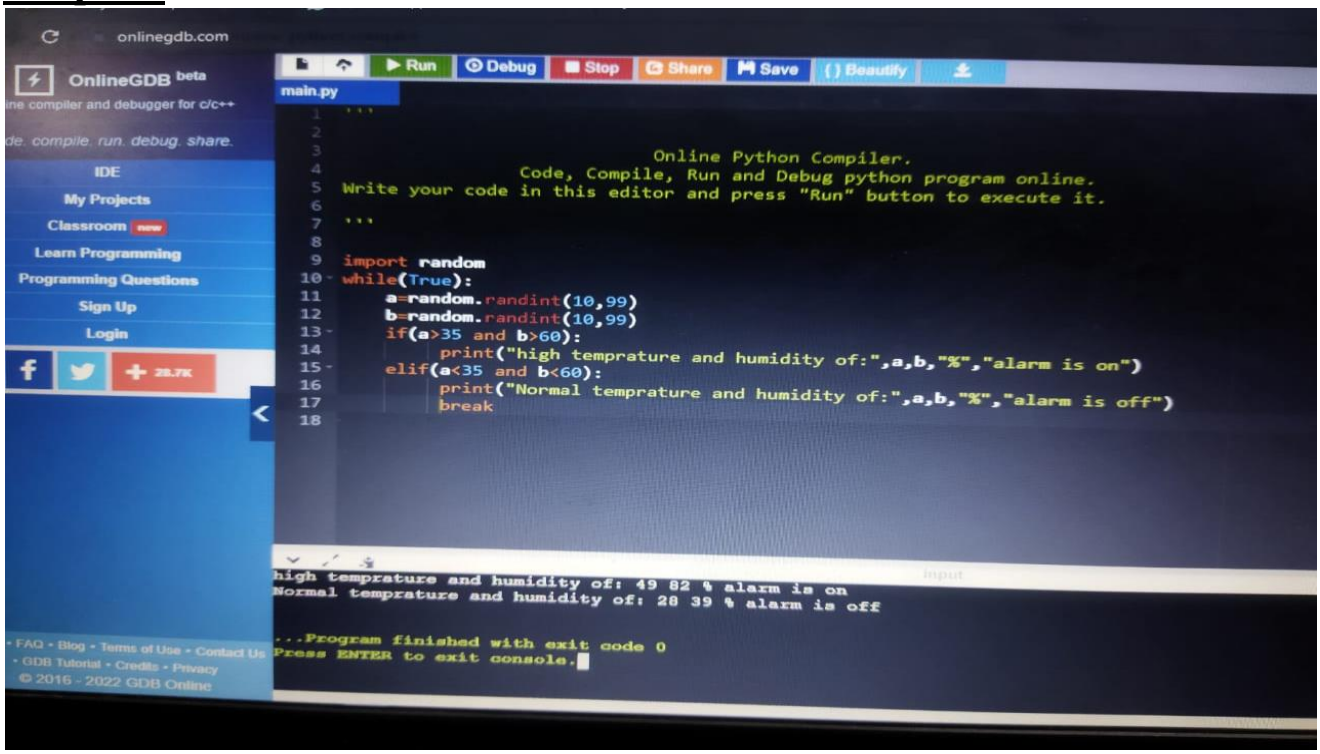
Code:-

```
import random while(True):
   a=random.randint(10,99)
b=random.randint(10,99)     if(a>35 and
b>60):
       print("high temprature and humidity
of:",a,b,"%","alarm is on")     elif(a<35 and
b<60):
       print("Normal temprature and humidity
of:",a,b,"%","alarm is off")        break
```

Output:-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main.py
'''
Online Python Compiler.
Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.
'''
import random
while(True):
a=random.randint(10,99)
b=random.randint(10,99)
if(a>35 and b>60):
print("high temprature and humidity of:",a,b,"%","alarm is on")
elif(a<35 and b<60):
print("Normal temprature and humidity of:",a,b,"%","alarm is off")
break
high temprature and humidity of: 49 82 % alarm is on
Normal temprature and humidity of: 28 39 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.