Mahendra Engineering College
Mallasamudhiram-637503.

Department of Information Technology

IOT Assignment

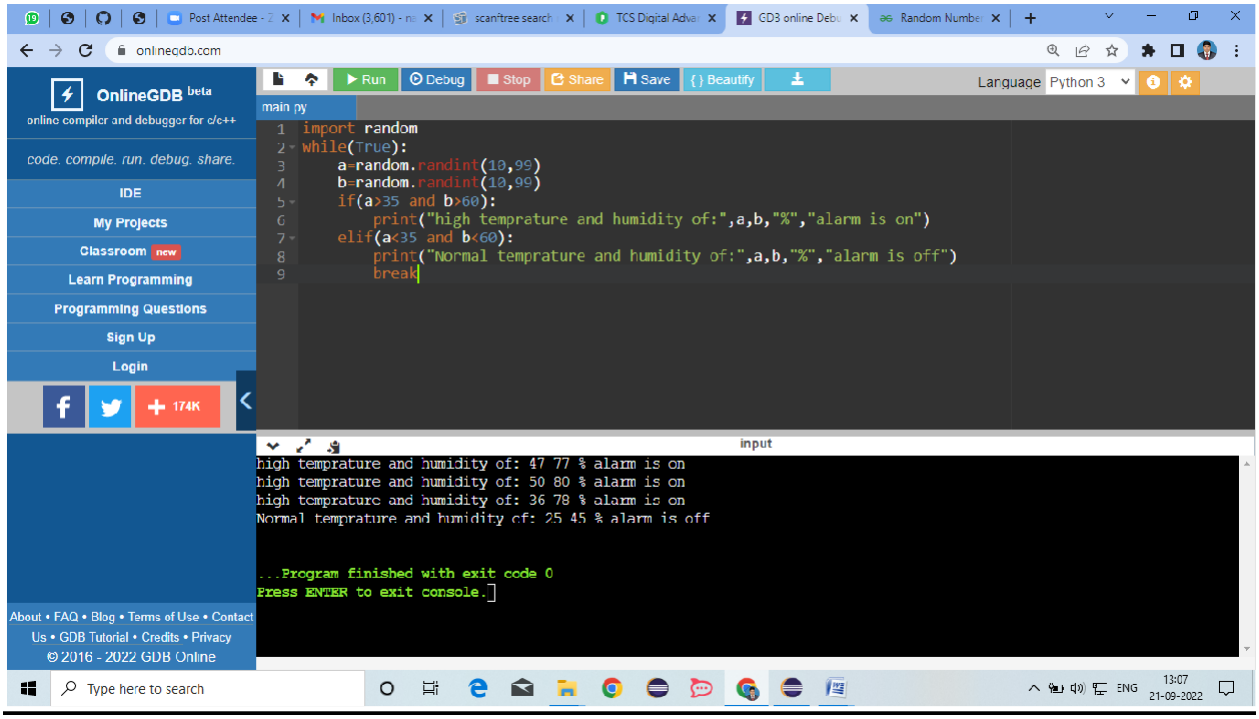
Topic : Assignment on temperature and humidity sensing and alarm automation using python

Name: Shanmugam P

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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online compiler and debugger for c/c++
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Debug
Stop
Share
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Language Python 3
main.py
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
input
high temprature and humidity of: 47 77 % alarm is on
high temprature and humidity of: 50 80 % alarm is on
high temprature and humidity of: 36 78 % alarm is on
Normal temprature and humidity of: 25 45 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
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