Karpagam College of Engineering

(Electronics and Communication Engineering)

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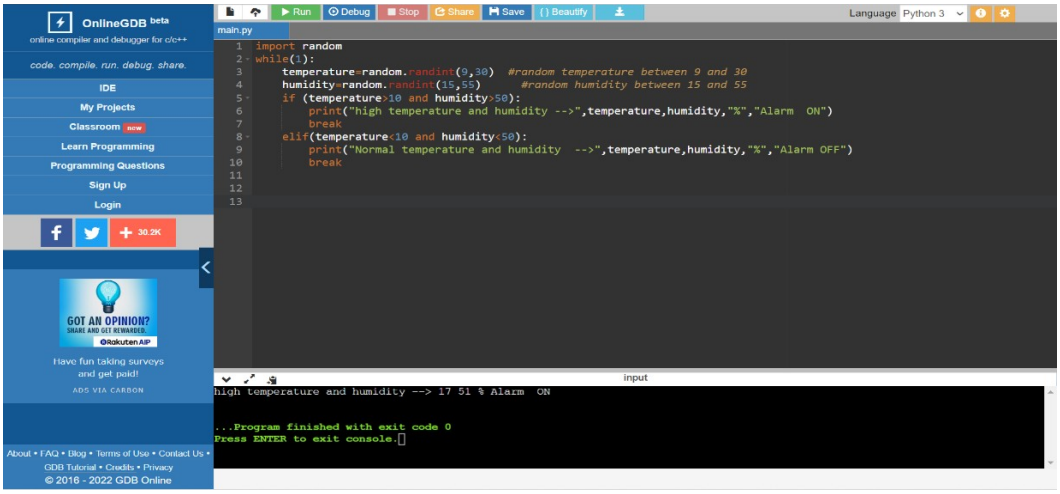
Assignment 2:

Temperature and Humidity sensing alarm automation using python

Code:

```
import random
while(1):
    temperature=random.randint(9,30)  #random temperature between 9 and 30
    humidity=random.randint(15,55)      #random humidity between 15 and 55
    if (temperature>10 and humidity>50):
        print("high temperature and humidity -->",temperature,humidity,"%","Alarm
ON")
        break
    elif(temperature<10 and humidity<50):
        print("Normal temperature and humidity  -->",temperature,humidity,"%","Alarm
OFF")
        break
```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Debug
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Share
Save
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Language
Python 3
main.py
import random
while(1):
temperature=random.randint(9,30) #random temperature between 9 and 30
humidity=random.randint(15,55) #random humidity between 15 and 55
if (temperature>10 and humidity>50):
print("high temperature and humidity -->",temperature,humidity,"%","Alarm ON")
break
elif(temperature<10 and humidity<50):
print("Normal temperature and humidity -->",temperature,humidity,"%","Alarm OFF")
break
input
high temperature and humidity --> 17 51 % Alarm ON
...Program finished with exit code 0
Press ENTER to exit console.