

ASSIGNMENT 2 - PYTHON PROGRAMMING

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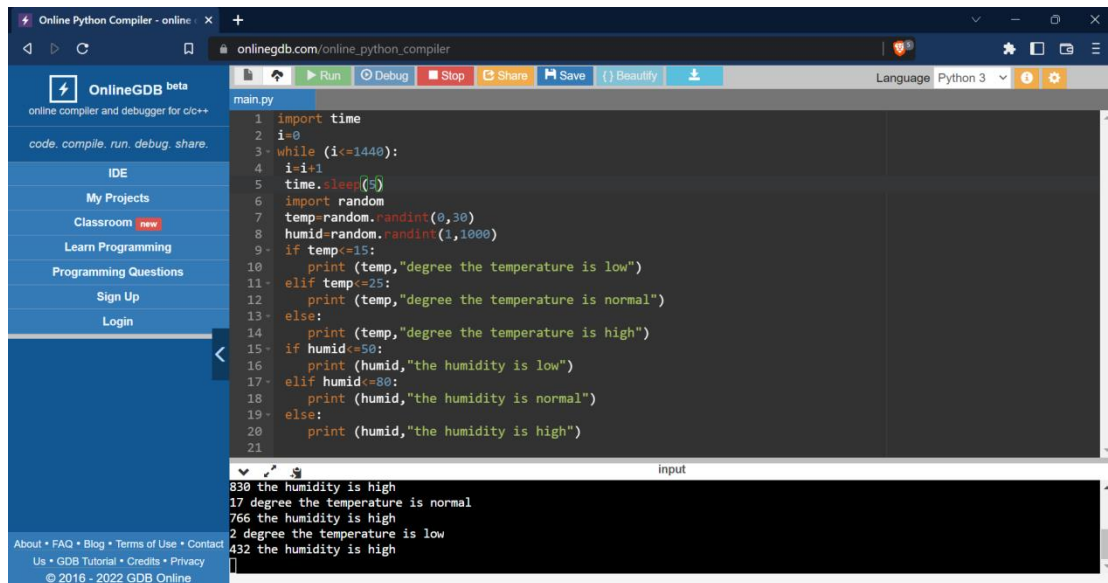
Question :

Build a python code, Assume you get temperature and humidity values (Generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature .

SOLUTION:

```
import time
i=0
while (i<=1440):
    i=i+1
    time.sleep(5)
    import random
    temp=random.randint(0,30)
    humid=random.randint(1,1000)
    if temp<=15:
        print (temp,"degree the temperature is low")
    elif temp<=25:
        print (temp,"degree the temperature is normal")
    else:
        print (temp,"degree the temperature is high")
    if humid<=50:
        print (humid,"the humidity is low")
    elif humid<=80:
        print (humid,"the humidity is normal")
    else:
        print (humid,"the humidity is high")
```

Screenshot:



The screenshot shows the OnlineGDB web interface. On the left is a sidebar with navigation links: IDE, My Projects, Classroom (marked 'new'), Learn Programming, Programming Questions, Sign Up, and Login. The main area displays a Python script in a dark-themed editor. The script is a loop that generates random temperature and humidity values and prints them. Below the editor, the 'input' tab shows the output of the program, which consists of several lines of printed data. The output is as follows:

```
830 the humidity is high
17 degree the temperature is normal
766 the humidity is high
2 degree the temperature is low
432 the humidity is high
```

CODE LINK:<https://onlinegdb.com/ZaJL2zDa8>