Assignment -1

Assignment Date	26 September 22
Student Name	MOHAMED UMAR.N
Student Roll Number	621319106056
Maximum Marks	2 Marks

Question-1:

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

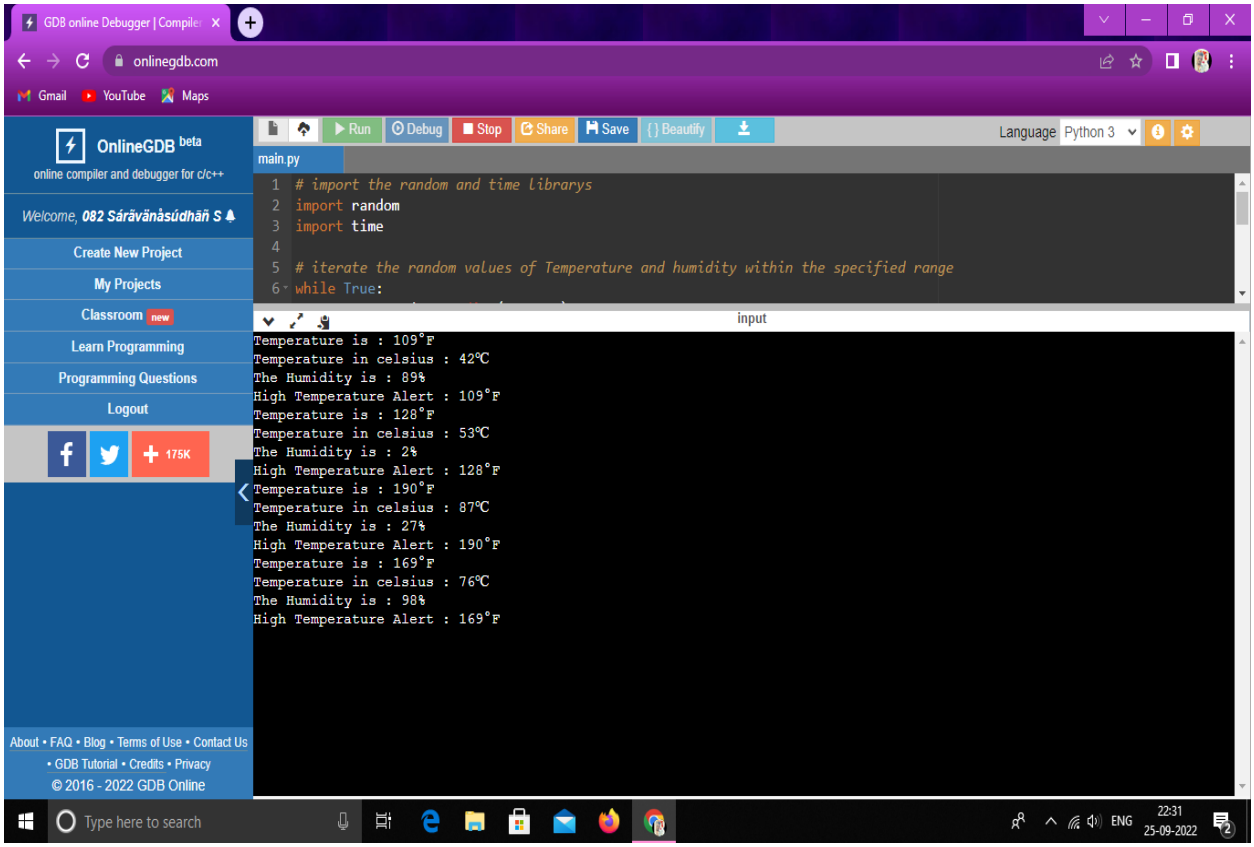
Solution:

```
# import the random and time librarys
import random
import time

# iterate the random values of Temperature and humidity within the specified range
while True:
  temp = random.randint(35, 209)
  humi = random.randint(0, 100)

  #print the values of Temperature and humidity
  print("Temperature is : "+str(temp)+"F")
  print("Temperature in celsius : "+str(((temp-32)*5)//9)+"?")
  print("The Humidity is : "+str(humi)+"%")

  # check if the temperature values are higher than 100F
  if (temp >= 100):
    print("High Temperature Alert : "+str(temp)+"F")
  time.sleep(10)
```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Language
Python 3
main.py
1 # import the random and time librarys
2 import random
3 import time
4
5 # iterate the random values of Temperature and humidity within the specified range
6 while True:
input
Temperature is : 109°F
Temperature in celsius : 42°C
The Humidity is : 89%
High Temperature Alert : 109°F
Temperature is : 128°F
Temperature in celsius : 53°C
The Humidity is : 2%
High Temperature Alert : 128°F
Temperature is : 190°F
Temperature in celsius : 87°C
The Humidity is : 27%
High Temperature Alert : 190°F
Temperature is : 169°F
Temperature in celsius : 76°C
The Humidity is : 98%
High Temperature Alert : 169°F
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