

IBM-NALAYATHIRAN

DOMAIN-IOT

ASSIGNMENT 2

TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING
PYTHON

BY

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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):

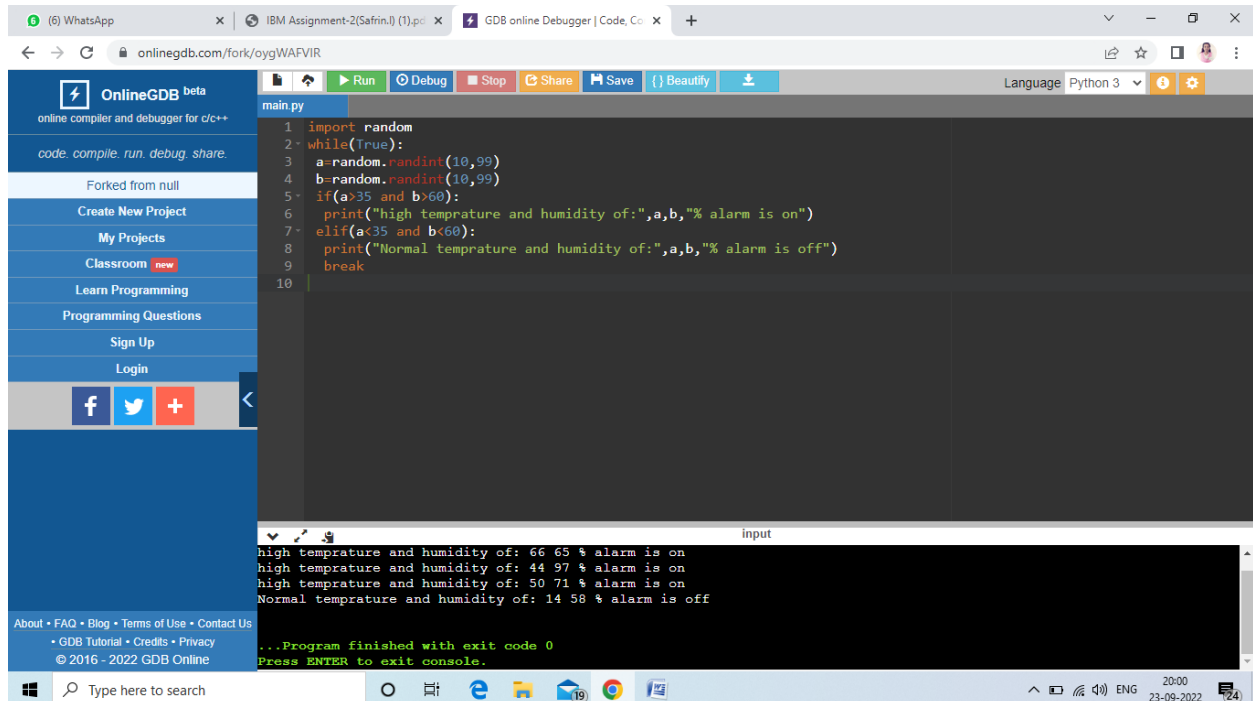
    print("high temprature and humidity of:",a,b,"% alarm is on")

elif(a<35 and b<60):

    print("Normal Temprature and humidity of:",a,b,"%alarm is off")

break
```

OUTPUT:



The screenshot displays the OnlineGDB web interface. The code editor contains the following Python code:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temprature and humidity of:",a,b,"% alarm is on")
7     elif(a<35 and b<60):
8         print("Normal Temprature and humidity of:",a,b,"%alarm is off")
9     break
```

The output console shows the following results:

```
high temprature and humidity of: 66 65 % alarm is on
high temprature and humidity of: 44 97 % alarm is on
high temprature and humidity of: 50 71 % alarm is on
Normal temprature and humidity of: 14 58 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```