IOT ASSIGNMENT 2

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

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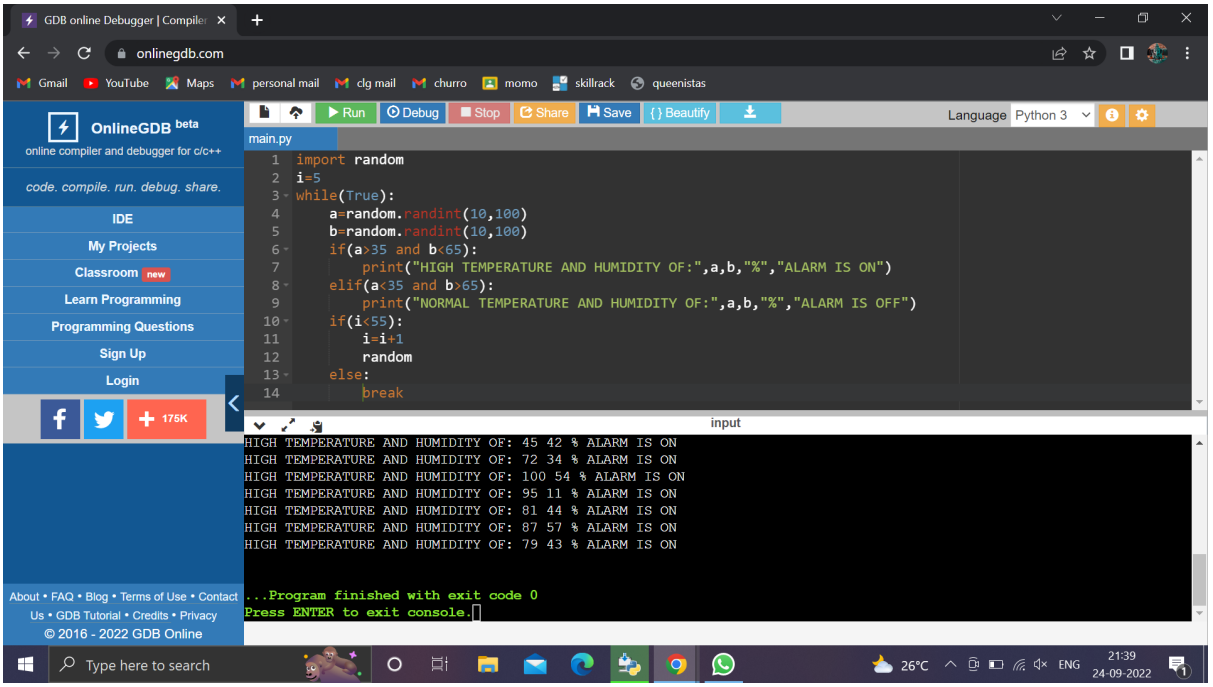
CODE:

```
import random
i=5
while(True):
a=random.randint(10,100)
b=random.randint(10,100)
if(a>35 and b<65):
        print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
elif(a<35 and b>65):
        print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
if(i<55):
    i=i+1
    random
else:
    Break
```

Output: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Run Debug Stop Share Save {} Beautify
Language Python 3
main.py
1 import random
2 i=5
3 while(True):
4 a=random.randint(10,100)
5 b=random.randint(10,100)
6 if(a>35 and b<65):
7 print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
8 elif(a<35 and b>65):
9 print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
10 if(i<55):
11 i=i+1
12 random
13 else:
14 break
input
HIGH TEMPERATURE AND HUMIDITY OF: 45 42 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 72 34 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 100 54 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 95 11 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 81 44 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 87 57 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 79 43 % ALARM IS ON
...Program finished with exit code 0
Press ENTER to exit console.
Type here to search
26°C
ENG
21:39
24-09-2022