IOT ASSIGNMENT - 2

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

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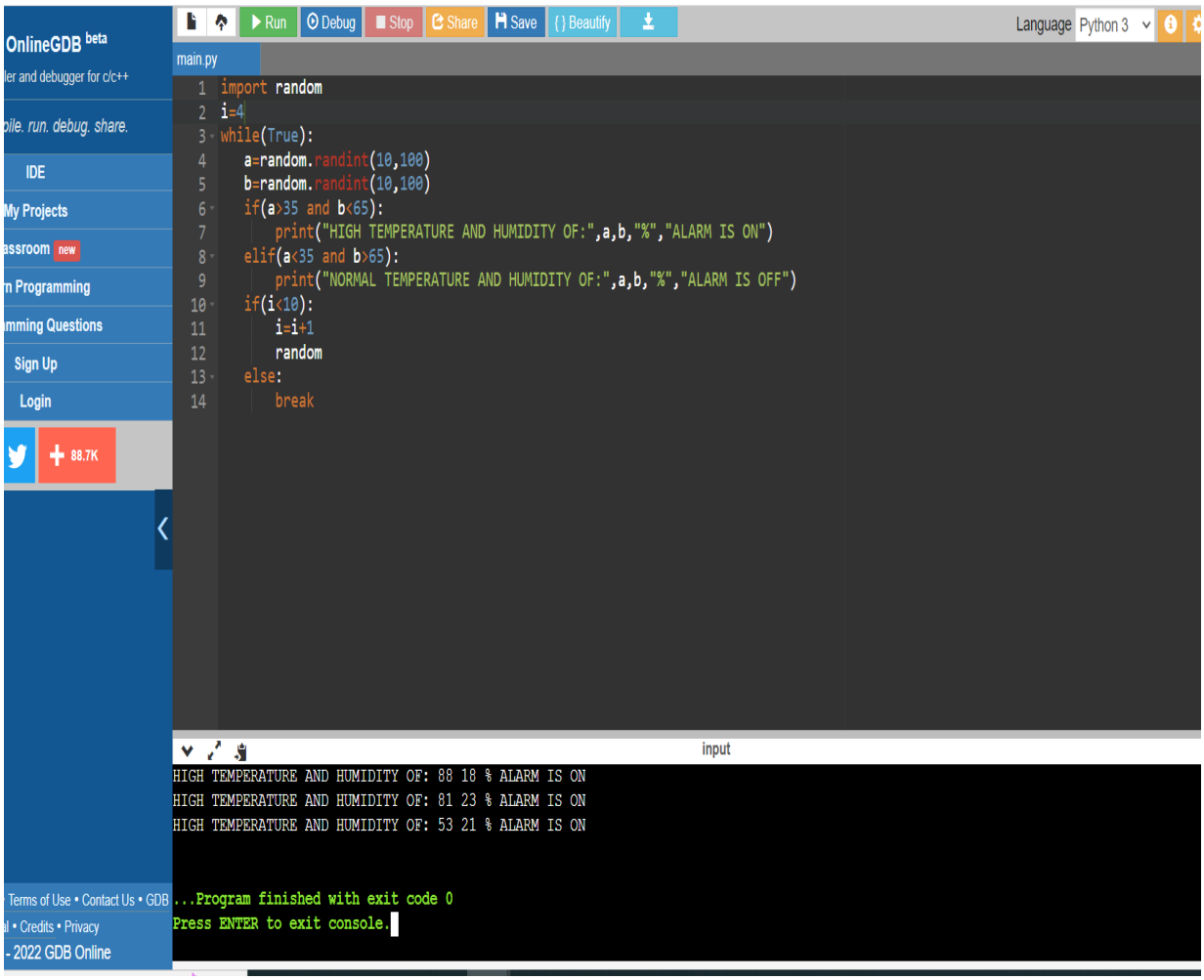
CODE:

```
import random
i=4
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<10):
    i=i+1
    random
  else:
    break
```

OUTPUT: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Language
Python 3
main.py
1 import random
2 i=4
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<10):
11 i=i+1
12 random
13 else:
14 break
input
HIGH TEMPERATURE AND HUMIDITY OF: 88 18 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 81 23 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 53 21 % ALARM IS ON
...Program finished with exit code 0
Press ENTER to exit console.