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<b>Departament</b>	ECE
<b>Title</b>	Gas Leakage Monitoring and Alerting System using IOT
<b>Topic</b>	Assignment on temperature and humidity sensing and alarm automation using python
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## Assignment on temperature and humidity sensing and alarm automation using python

### Code:

```
import random

i=1

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):

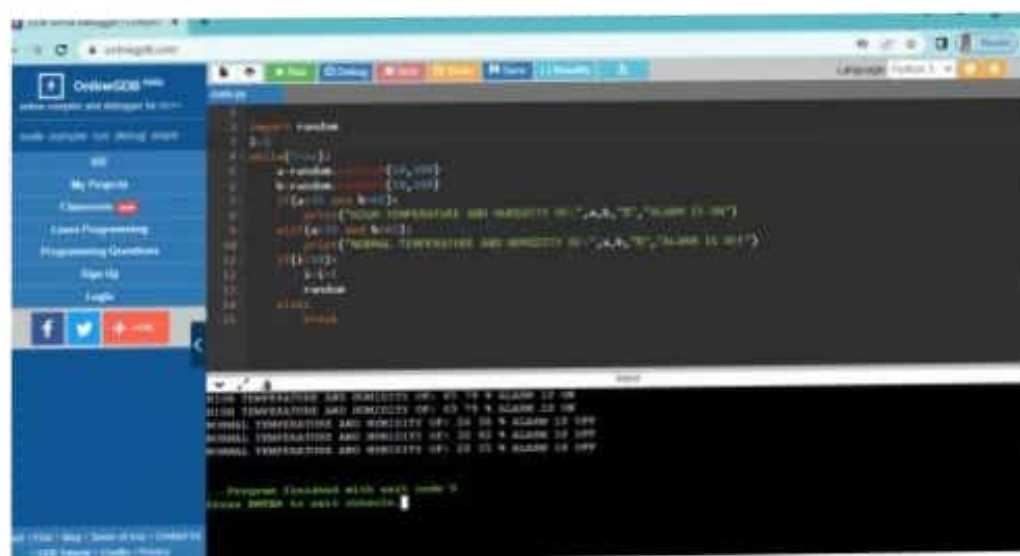
    i=i+1

    random

else:

    break
```

### Output:



```
1 import random
2
3 i=1
4
5 while(True):
6
7     a=random.randint(10,100)
8     b=random.randint(10,100)
9     if(a>35 and b<65):
10         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
11     elif(a<35 and b>65):
12         print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
13     if(i<10):
14         i=i+1
15         random
16     else:
17         break
```

Output:

```
HIGH TEMPERATURE AND HUMIDITY OF: 91 75 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 63 75 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 24 24 % ALARM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 20 62 % ALARM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 23 23 % ALARM IS OFF

Program finished with exit code 0
Press ENTER to exit console.
```