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DEPT	ECE
TITLE	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
ASSIGNMENT TOPIC	ASSUME YOU GET TEMPERATURE AND HUMIDITY VALUES WRITE A CONDITION TO DETECT ALARM IN CASE OF HIGH TEMPERATURE
MENTOR	JOTHI

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):

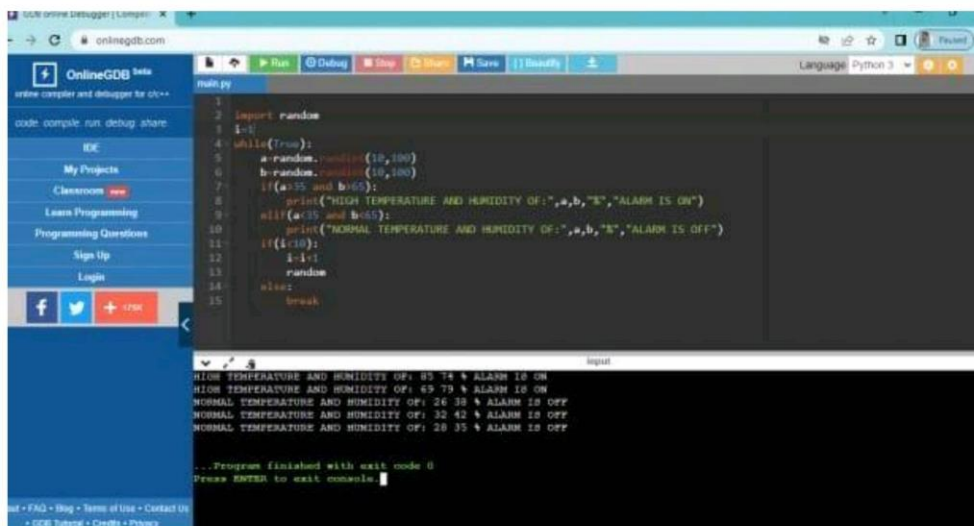
    i=i+1

    random

else:

    break
```

Output:



```
1 import random
2 i=1
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
```

Output:

```
HIGH TEMPERATURE AND HUMIDITY OF: 85 74 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 69 79 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 24 39 % ALARM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 32 42 % ALARM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 28 35 % ALARM IS OFF

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