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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):

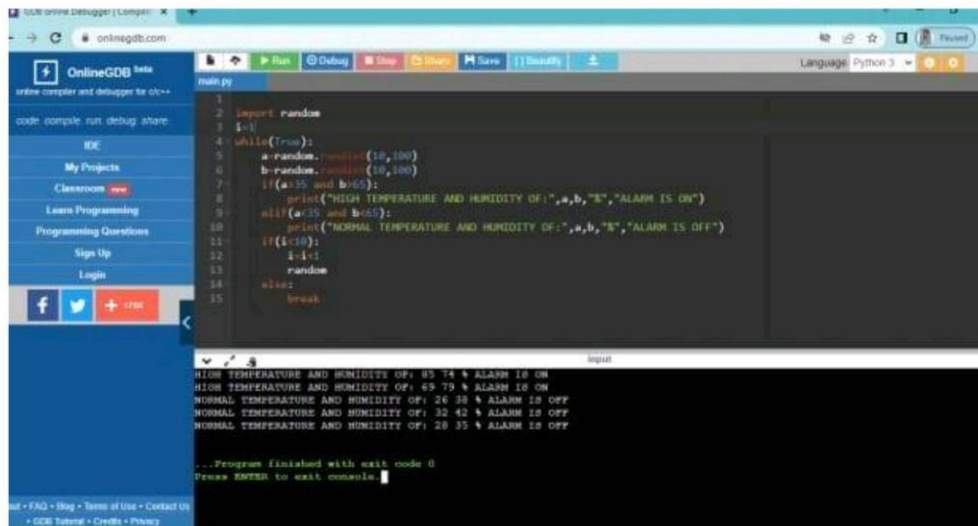
        i=i+1

        random

    else:

        break
```

Output:



The screenshot shows the OnlineGDB interface with the following code and output:

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

Output:

```
HIGH TEMPERATURE AND HUMIDITY OF: 85 74 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 49 79 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 26 38 % 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
```