

VELAMMAL INSTITUTE OF TECHNOLOGY, THIRUVALLUR-601204

Department of Electronics and Communication Engineering

IOT Assignment

Topic: Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Name: Gandhavalli Harivandana

Code:-

```
import random

while(True):

    a=random.randint(15,88)

    b=random.randint(15,88)

    if(a>35 and b>60):

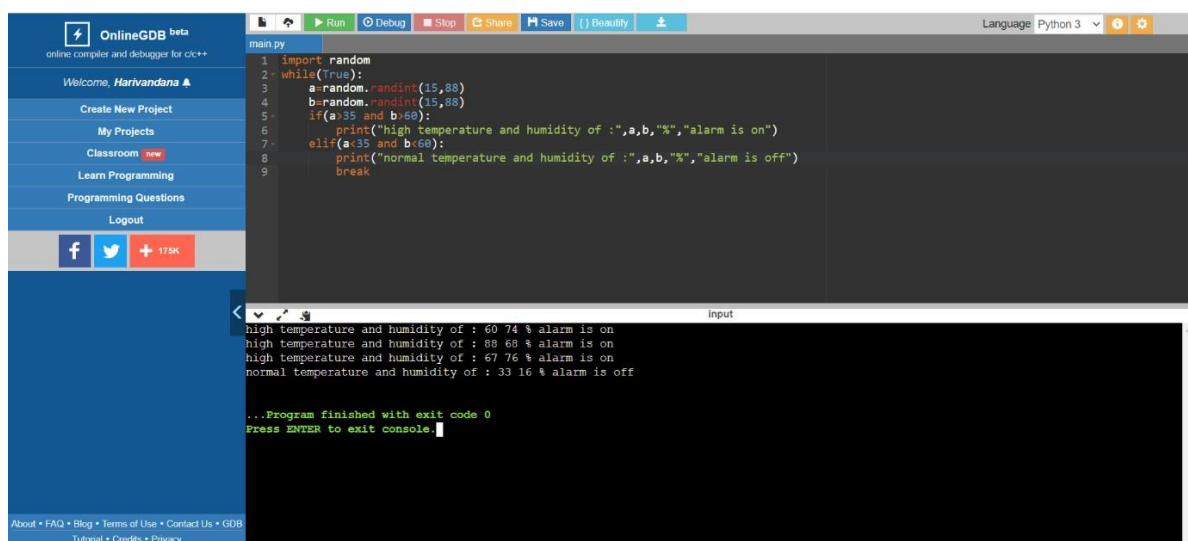
        print("high temperature and humidity of :",a,b,"%","alarm is on") elif(a<35

and b<60):

        print("normal temperature and humidity of :",a,b,"%","alarm is off")

    break
```

output:



The screenshot shows the OnlineGDB interface. The code editor contains the following Python code:

```
1 import random
2 while(True):
3     a=random.randint(15,88)
4     b=random.randint(15,88)
5     if(a>35 and b>60):
6         print("high temperature and humidity of :",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("normal temperature and humidity of :",a,b,"%","alarm is off")
9     break
```

The output console shows the following results:

```
high temperature and humidity of : 60 74 % alarm is on
high temperature and humidity of : 88 69 % alarm is on
high temperature and humidity of : 67 76 % alarm is on
normal temperature and humidity of : 33 16 % alarm is off

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