

RAJALAKSHMI INSTITUTE OF TECHNOLOGY

[Department of Electronics & Communication Engineering]

ASSIGNMENT -O2

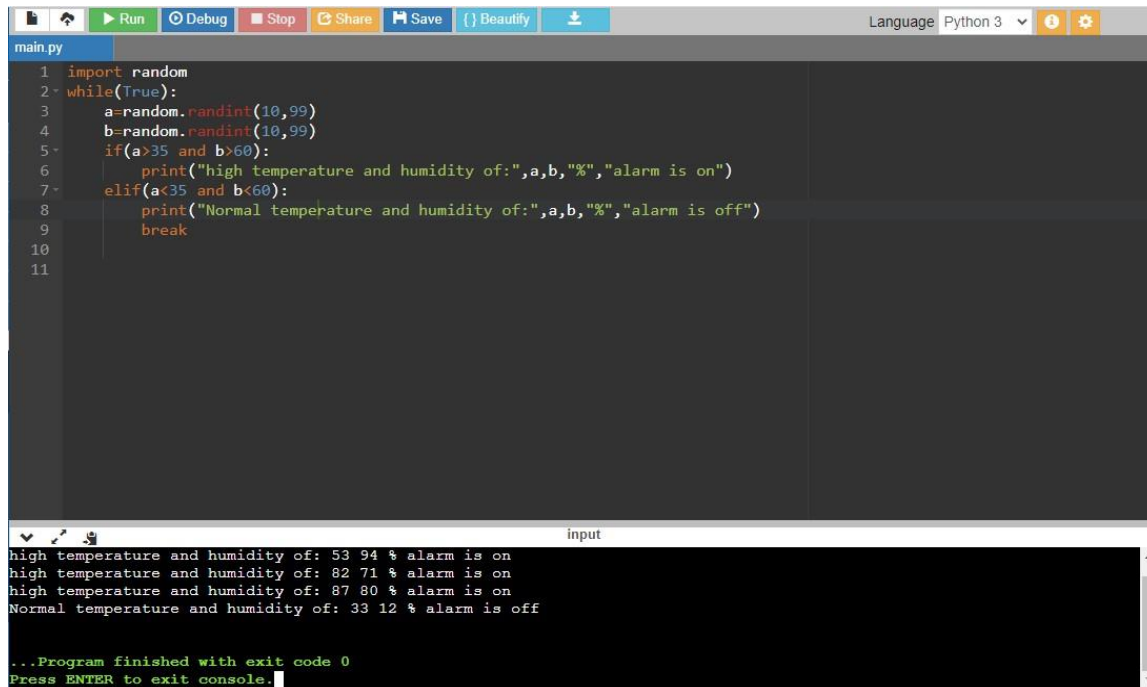
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TOPIC: Temperature and humidity sensing and alarm automation using python

CODE:

```
import random while(True):  
    a=random.randint(10,99) b=random.randint(10,99) 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 tempeature and humidity of:",a,b,"%","alarm is off") Break
```

OUTPUT:



The screenshot shows a Python IDE window titled 'main.py' with a toolbar at the top containing icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to 'Python 3'. The code in the editor is as follows:

```
1 import random  
2 while(True):  
3     a=random.randint(10,99)  
4     b=random.randint(10,99)  
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 tempeature and humidity of:",a,b,"%","alarm is off")  
9         break  
10  
11
```

Below the editor is a console window titled 'input' showing the output of the program:

```
high temperature and humidity of: 53 94 % alarm is on  
high temperature and humidity of: 82 71 % alarm is on  
high temperature and humidity of: 87 80 % alarm is on  
Normal temperature and humidity of: 33 12 % alarm is off  
...Program finished with exit code 0  
Press ENTER to exit console.
```