

# **KGiSL INSTITUTE OF TECHNOLOGY**

[Department of Electronics & Communication Engineering]

## **ASSIGNMENT -O2**

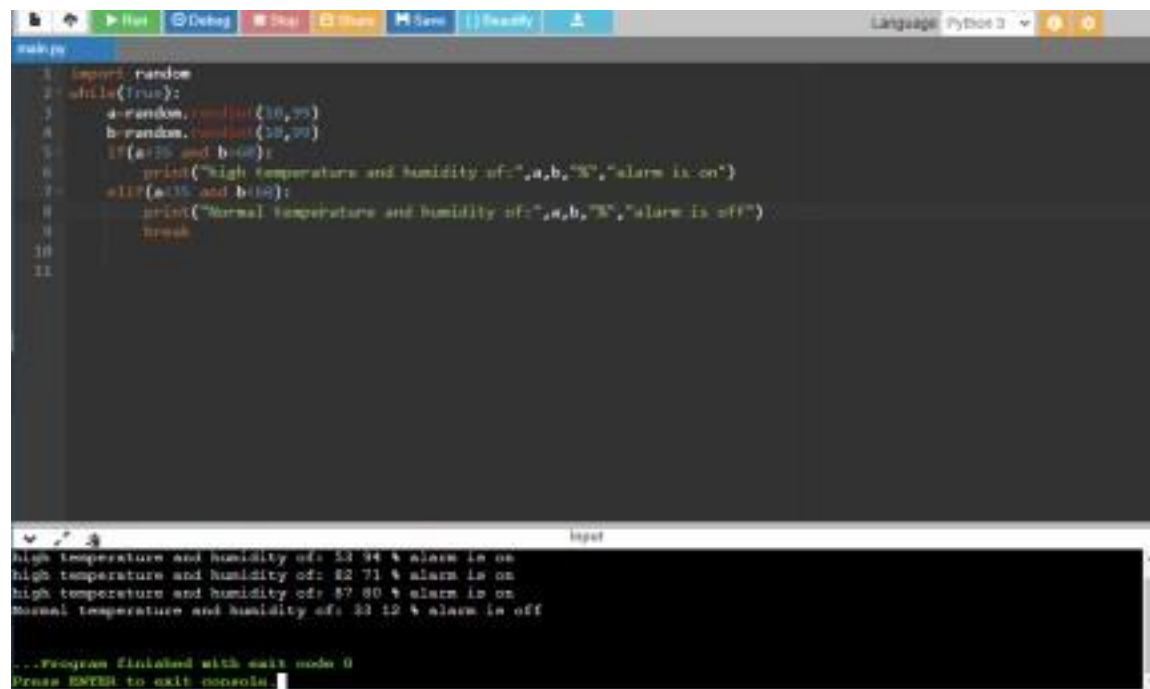
**NAME : RAGHUPAL V**

**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 temperature and humidity of:",a,b,"%","alarm is off")
    Break
```

### **OUTPUT:**



The image shows a screenshot of a Python IDE. The top toolbar includes icons for Run, Debug, Stop, Step, Save, and Breakpoint, along with a Language dropdown set to Python 3. The editor window contains a Python script with the following code:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>10 and b>60):
6         print("High temperature and humidity of: ",a,b,"%", "alarm is on")
7     elif(a<15 and b<60):
8         print("Normal temperature and humidity of: ",a,b,"%", "alarm is off")
9     break
10
11
```

The output window at the bottom shows the execution results:

```
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.
```