

# GOVERNMENT COLLEGE OF ENGINEERING, SALEM

[Department of Electronics & Communication Engineering]

## ASSIGNMENT -02

**NAME:** SOWMIYA M G

**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):

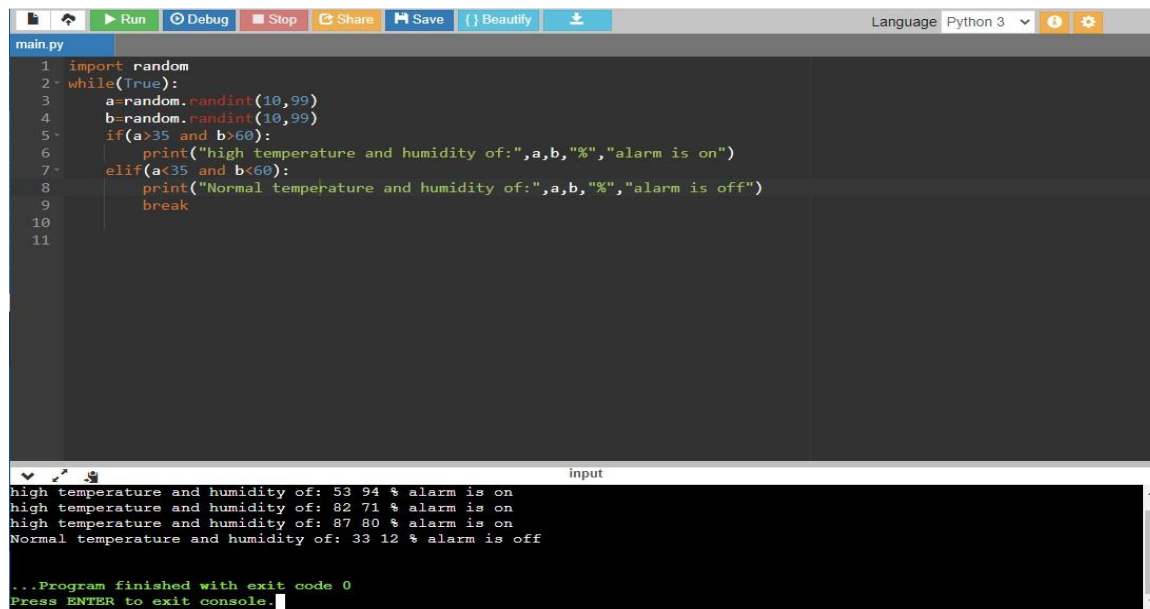
        print("high temperature and humidity of:",a,b,"%","alarm is on")

    elif(a<35 and b<60):

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

    break
```

### OUTPUT:

A screenshot of a Python IDE window. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to Python 3. The code editor shows the following Python code:

```
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 temperature and humidity of:",a,b,"%","alarm is off")
9         break
10
11
```

The output console 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.
```

